ANNUAL REPORT

HEALTH DEPARTMENT

SAN FRANCISCO, CAL.

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ANNUAL REPORT

OF THE

BOARD OF HEALTH

OF THE

CITY AND COUNTY OF SAN FRANCISCO

FOR THE

Fiscal Year Ending June 30, 1898.

SAN FRANCISCO:
THE HINTON PRINTING CO., 321 SACRAMENTO ST.
1898.

UNIV OF CALIF
MEDICAL SCHOOL

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CONRAD WEIL, M. D.

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EDWIN BUNNELL, M. D.....Assistant Police Surgeon.
G. H. THOMPSON, M. D.....Assistant Police Surgeon.
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R. E. HARTLEY, M. D.....Assistant Police Surgeon.
W. B. DEAS, M. D.....Assistant Police Surgeon.
N. J. PENDERGAST.....Ambulance Driver.
GEORGE LILLY.....Ambulance Driver.
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J. T. STAFFORD, M. D.....Assistant Police Surgeon.
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J. W. KELLY.....Ambulance Driver.
NELLIE E. WYNNE.....Matron.
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W. W. KERR, M. D.....Visiting Physician.
R. A. McLEAN, M. D.....Visiting Surgeon.
C. N. ELLINWOOD, M. D.....Visiting Surgeon.
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M. R. GIBBONS, M. D.....Interne.
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C. L. HOFFMAN, M. D.....Interne.
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R. BORLAND, M. D.....Externe.
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OSCAR MANSFELDT, M. D.....Externe.
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MISS M. PATTON.....Principal Training School and Chief Nurse.
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JOHN M. CAMPBELL.....Dresser.
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JENNIE NICKSON.....Graduate Nurse.
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MARGARET BERTRAM.....Pupil Nurse.
ROSE BLOOMFIELD.....Pupil Nurse.
ELEANOR CLEMENTS.....Pupil Nurse.
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MARY GERTRUDE CUSSEN.....Pupil Nurse.
ELIZABETH DUTOT.....Pupil Nurse.
JESSIE R. GREENWOOD.....Pupil Nurse.
AMY AGNES HART.....Pupil Nurse.
MINNIE HEADLEY.....Pupil Nurse.
MARY KELLY.....Pupil Nurse.
ELLEN MULLEN.....Pupil Nurse.

GRACE McQUEEN.....Pupil Nurse.
JESSIE McQUEEN.....Pupil Nurse.
ANNE McLAUGHLIN.....Pupil Nurse.
MINNIE McPIKE.....Pupil Nurse.
HELENA A. O'BRIEN.....Pupil Nurse.
MARGARET SULLIVAN.....Pupil Nurse.
ELEANOR E. UNDERWOOD.....Pupil Nurse.
JOSEPHINE WILSON.....Pupil Nurse.
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ANNA M. KEEFE.....Probationer Nurse.
AGNES E. O'DONNELL.....Probationer Nurse.
LAURA B. STEWART.....Probationer Nurse.
JULIA ROWLEY.....Probationer Nurse.
BERTHA HENRY.....Probationer Nurse.
CATHERINE BENSON.....Probationer Nurse.
ANNIE McNEIL.....Probationer Nurse.
EMIL HELD.....Probationer Nurse.
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ALFRED LESLIE McDONALD.....Assistant First Waiter.
ALBERT ROPER.....Second Waiter.
LOUIS B. MEGNER.....Assistant Second Waiter.
WILLIAM F. LENIHAN.....Third Waiter.
JAMES BERNARD HILL.....Assistant Third Waiter.
DANIEL GRADY.....Assistant Third Waiter.
LOUIS LOO.....First Cook.
WILLIAN LAHEY.....Second Cook.
WILLIAM ED. LAHEY.....Third Cook.
THOMAS GILL.....Fourth Cook.
PATRICK GALLAGHER.....Baker.
GUSTAVE BRAUN.....Assistant Baker.
PIERRE LANOUGUERE.....Potwasher.
ALFRED D. STAGG.....Vegetableman.
JOHN F. DUNN.....Assistant Vegetableman.
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PETER TEYSSIER.....Dishwasher.
ETHAN ALLEN.....Mushman.
B. E. VAN STRAATEN.....Assistant Mushman.
MICHAEL FOLEY.....First Laundryman.
T. McMANUS.....Second Laundryman.
MICHAEL HOWLETT.....Third Laundryman.
CHARLES BROWN.....Fourth Laudryman.

CHARLES H. BOGART.....Fifth Laundryman.
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CHARLES GENTH.....Fireman.
PATRICK O'MALLEY.....Coalweigher.
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JOHN FARRELL.....Assistant Gardener.
JOHN McAULIFFE.....Assistant Gardener.
JOSEPH O'HANLON.....Assistant Gardener.
DANIEL RYAN.....Assistant Gardener.
T. F. DILLON.....Day Gatekeeper.
J. WILLIAMSON.....Night Gatekeeper.
WILLIM GARVEY.....Relief Gatekeeper.
J. STAMPER.....Night Watchman.
J. A. WAGNER.....Assistant Night Watchman.
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SOPHIE KNORP.....Domestic.
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HENRY F. LEONARD.....Assistant Mattressmaker.
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GEORGE C. GOULD.....Painter.
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MURDOCK McLEOD.....Assistant Stableman.
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CLARK W. NOBLE.....Apothecary's Assistant.
W. F. RUMMEL.....Apothecary's Assistant.
HARRY M. TINGLEY.....Morgue Tender.
MARY FENTON.....Female Morgue Tender.
HENRY SPITZENBERG.....Head Ward Tender.
JOHN HENRY BRANNAN.....Ward Tender.
THOMAS CURLEY.....Ward Tender.
ANDREW GARRITY.....Ward Tender.
CHARLES GILLEN.....Ward Tender.
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JOHN LINEHAN.....Ward Tender.
MICHAEL McCLOSKEY.....Ward Tender.
JOHN RILEY.....Ward Tender.
CHARLES WALDRON.....Ward Tender.
THOMAS WEIR.....Ward Tender.
PATRICK WELSH.....Ward Tender.
JAMES RODGERS.....Assistant to Matron.

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MAX J. POPPER.....Night Watchman.
BENJ. WALLS.....Day Watchman.
GEORGE RUDDICK.....Nurse.
FRANK BINDT.....Porter.
PEDRO PENIDA.....Laundryman.
JOHN ANNERSON.....Cook.

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H. POSNER.....Night Police.
M. J. REDDY.....Night Watchman.
J. J. ORTNER.....Engineer.
CHAS. H. LANE.....Laundryman.
P. HURLEY.....Shoemaker.
JAS. MULROY.....Tailor.
F. J. O'CONNOR.....Ambulance Driver.
WM. RYAN.....Teamster.
B. CROWLEY.....Baker.
H. E. B. DU CROZET.....Chief Cook.
JOSEPH ROUX.....Second Cook.
JULES LACOME.....Third Cook.
MISS LOUISE BURFEIND.....Stewardess.
MRS. MARY CLOSE.....Nurse, No. 1 Building.
MRS. T. E. ARMSTRONG.....Nurse, No. 1 Building.
MISS MAMIE WHITE.....Night Nurse, No. 1 Building.
JEREMIAH CUDDY.....Nurse, No. 2 Building.
VINCENT SAURET.....Cook, No. 2 Building.
PATRICK O'CONNOR.....Night Watchman, No. 2 Building.
THOMAS KELLY.....Nurse, No. 3 Building.
THOMAS KING.....Cook, No. 3 Building.
HENRY A. KELLY.....Night Watchman, No. 3 Building.
MRS. DELIA GIROT.....Nurse, No. 4 Building.
MISS ANNA BURFEIND.....Cook, No. 4 Building.
MRS. MARTHA BEALL.....Night Nurse, No. 4 Building.

HEALTH OFFICER'S REPORT.

FOR THE

FISCAL YEAR ENDING JUNE 30, 1898.

San Francisco, July 1st, 1898.

TO THE HONORABLE, THE BOARD OF HEALTH
OF THE CITY AND COUNTY OF SAN FRANCISCO—

Gentlemen: I have the honor to submit the following report of the Health Department of this City and County for the fiscal year ending June 30th, 1898, and beg leave to call especially to your consideration the improvements which have been made therein during that period, foremost amongst which is the inauguration of the Bureau of Statistics.

During the whole history of this Department it seems that there has been a laxity in regard to the compilation of proper data for formation of correct tabulated statements pertaining to the classification of disease, the scientific nomenclature of death causes and the designation of localities prolific in contagious and infectious diseases, leaving it absolutely impossible to permit of correct comparison through previous years.

After a vast amount of work on the part of the members of this Board, assisted by the untiring efforts of our Statistician, we feel that we can now present to you, and through you the public, in this report all that we have hitherto lacked on this subject.

The first step undertaken was that of establishing a classified list of causes of death. In order that this might be satisfactory, we requested the co-operation of physicians and surgeons of this city to aid us in securing the desired

uniformity in classification. Appended hereto is a copy of the folder distributed throughout the city, and while it may not be entirely free from fault, I feel assured that all fair-minded medical men will agree with us that it is certainly a step in the right direction and a vast improvement over the old system.

CLASSIFIED LIST OF CAUSES OF DEATH ADOPTED BY THE SAN FRANCISCO HEALTH DEPARTMENT, AND SUGGESTIONS CONCERNING THE PHYSICIAN'S CERTIFICATE OF THE CAUSE OF DEATH, APPROVED JUNE 15, 1898.

CONCERNING THE PHYSICIAN'S CERTIFICATE OF CAUSE OF DEATH.

In order to secure an approximate uniformity of classification and nomenclature in the Certificate of the Cause of Death, and to increase the value and comprehensiveness of the vital and mortuary statistics of this City and County, the following Classified List of Causes of Death has been prepared and is now furnished for the information and guidance of the medical practitioner.

This list is based substantially upon the "Provisional Classification and Nomenclature" of the Royal College of Physicians of London, Eng., endorsed by the American Medical Association and the American Public Health Association, and adopted by the Government Medical Services of the United States and Great Britain.

All causes of death are grouped under three classes, as in the "Provisional Nomenclature":

"A"—Deaths from General Diseases.

"B"—Deaths from Local Diseases.

"C"—Deaths from Violence, Misadventure or Negligence.

The certifying physician is concerned only with classes "A" and "B"—Class "C" must be referred to the Coroner, who alone can issue or approve the Certificate of Death.

Previous to the adoption of this Classification and Nomenclature, an obsolete and unsatisfactory system of alphabetical classification has been in use, which has rendered the statistics of the Health Department of but little value to physicians or others interested. The apparent lack of care or attention on the part of physicians when certifying to the cause of death, is evident in many of the Certificates of Death on file in this office. Certain physicians have adopted the habit of assigning, as the cause of death, some prominent symptom of the disease from which the deceased may have suffered. This practice is not only careless and unscientific, but frequently mislead-

ing, and seriously interferes with any attempt at an accurate compilation of statistics.

The following items, taken from certificates on file in the Health Office, are cited in substantiation of the foregoing assertion: Anasarca, Ascites, Albuminuria, Hematemesis, Hemoptysis, Jaundice, Pulmonary Edema, Uremia, Weakness. These are terms of symptoms or complications only, and whenever placed upon the Certificate of Death should be invariably accompanied by the *chief* and *determining* causes with which they may be associated.

For the purpose of preventing in future the frequency of error which has characterized the past, this Department has adopted a new form of Certificate of Death, to which the attention of the physician is particularly directed. This certificate provides space for both the *chief* and *determining* and also the *contributing* and *consecutive* causes of death, together with the duration of each. It will be admitted that, in a certain proportion of cases, the attending physician may be unable to determine with exactness the *chief* or *primary* cause of death. Whenever this occurs the fact should be mentioned on the certificate.

In settlement of life insurance, suits for damage, etc., the duration of the *chief* and *determining* cause of death is required to be stated, as well as the character and duration of the *contributing* and *consecutive* causes. Annoying delays and subsequent complications will frequently be avoided if these causes be fully and clearly stated in the Certificate of Death.

Certificates of Death bearing such terms as Bright's Disease, Kidney Disease, Heart Disease, Brain Disease, Liver Complaint, Debility, etc., will positively not be accepted, but will be referred back to the certifying physician for correction and specialization.

The indefinite and indiscriminate use of the terms Cancer and Tuberculosis, without specifying the organ or organs involved, will be considered sufficient cause for the rejection of the certificate. The records of the Health Office for past years show that in many instances no care whatever has been exercised by the physicians in establishing the location of the organs or parts affected by these two diseases.

It is earnestly requested that wherever possible, proper differentiation be made between Sarcoma and Carcinoma.

Complex terms, such as Typho-malarial fever and Typhoid-pneumonia, have not been given space in this list, as the tendency of modern authorities is toward eliminating them from medical nomenclature. It will be preferable to use single terms, crediting the death to the disease indicated by the major symptoms which have manifested themselves during illness.

The issuance of this scheme of nomenclature must not be construed as being intended to limit the physician in his use of

diagnostic terms to such as appear in the printed tables. Regularly recognized synonyms or equivalents will be accepted without hesitation. However, the Health Department trusts that an attempt will be made on the part of the practitioner to conform, wherever possible, to the plan elaborated in this circular, and at the same time to avoid applying to diseases names which are antique and obsolete.

When death follows a surgical operation, the *disease, injury* or *condition* which necessitated the operation should always be stated.

Physicians will understand that the Health Department does not claim this classification to be entirely free from fault, but it marks the establishment of a system which, if followed, will render the statistical reports emanating from this office reasonably accurate and intelligible, and the co-operation of the entire medical profession to this end is invited.

CLASSIFIED LIST OF CAUSES OF DEATH

Adopted by the Health Department of San Francisco, as Warrant for the Issue of Permit of Burial.

CLASS "A"—GENERAL DISEASES

SPECIFIC FEBRILE (ZYMOTIC)

- Cerebro-spinal meningitis
- Diphtheria (Includes Membranous Croup)
- Influenza (la Grippe)
- Malarial fevers
- Measles
- Parotitis (Mumps)
- Pertussis (Whooping Cough)
- Scarlet fever
- Smallpox
- Typhoid fever
- Varicella

DIARRHEAL

- Cholera
- Cholera infantum
- Cholera morbus
- Diarrhea
- Diarrhea, infantile
- Dysentery

ZOÖGENOUS

- Actinomycosis
- Anthrax
- Glanders
- Hydrophobia

VENEREAL

Syphilis, acquired
Syphilis, congenital

SEPTIC

Erysipelas (State seat and cause)
Puerperal septicemia
Pyemia
Septicemia
Tetanus
Trismus neonatorum
(Cause must be stated in every instance)

PARASITIC

Intestinal worms
Thrush
Trichinosis

DIETETIC

Malnutrition
Inanition
Scurvy

CONSTITUTIONAL

Anemia, Chlorosis (State cause)
Carcinoma (Specify part affected, as of breast, liver, stomach, womb, etc.)
Diabetes
Gout
Hemorrhagic diathesis, Hemophilia
Leucocythemia
Purpura hemorrhagica
Rheumatism (State variety)
Rickets
Sarcoma (State part affected, as of breast, liver, etc.)
Tuberculosis (Specify nature of, as Articular, Cerebral, Meningeal, Glandular, Miliary, Pulmonary, etc.)

DEVELOPMENTAL

Atelectasis, congenital
Cardiac malformation (Cyanosis)
Icterus neonatorum
Marasmus, infantile
Marasmus, senile
Premature and still births (State probable cause and fetal age)
Senility (Accepted only if death is not assignable to definite disease)
Spina bifida

CLASS "B"—LOCAL DISEASES

NERVOUS SYSTEM

Alcoholism
Apoplexy, cerebral
Brain (Specify disease, as Abscess, Congestion, Softening, Tumor, etc.)
Chorea
Convulsions, infantile
Cocainism
Eclampsia (*not puerperal*—State cause)
Encephalitis and Cerebritis
Epilepsy
Hydrocephalus
Insanity (State variety and mode of death)
Laryngismus stridulus
Locomotor ataxia
Meningitis, cerebral
Meningitis, spinal
Morphinism
Myelitis
Paralysis (State variety and cause)
Spinal cord (Specify disease of, as Sclerosis, Progressive muscular atrophy, etc.)

CIRCULATORY SYSTEM

Angina pectoris
Blood-vessels (State character of disease, as Arterio-sclerosis, Endarteritis, etc. Specify vessels involved, as Aneurism of aorta, Rupture of Varicose veins, etc.)
Embolism and Thrombosis (Specify vessel involved)
Heart (Specify disease of, as Endocarditis, Fatty Degeneration, Hypertrophy, Myocarditis, Pericarditis, Valvular disease of, etc.)
Senile gangrene

RESPIRATORY SYSTEM

Asthma
Bronchitis
Croup, catarrhal or inflammatory (Membranous Croup is to be returned as Diphtheria)
Hydrothorax
Laryngitis
Pharyngitis
Pseudo-diphtheria
Pleurisy (State variety, as acute, subacute, purulent [empyema], etc.)

Pneumonia (State variety)
Pulmonary congestion
Pulmonary hemorrhage (Cause must be stated)

DIGESTIVE SYSTEM

Appendicitis
Enteritis
Entero-colitis
Gallstones (State complications or sequelae)
Gastric hemorrhage (Cause must be stated)
Gastric ulcer
Gastritis
Gastro-enteritis
Hernia (State variety, mode of death and operation, if any)
Intestines (Specify disease, as Inflammation, Intussusception, Ulceration, etc.)
Liver (Specify disease, as Abscess, Cirrhosis, Inflammation, etc.)
Peritonitis (Specify variety, as Tubercular, Traumatic, etc., and give cause of last mentioned)

ABSORBENT AND GLANDULAR SYSTEM

Bronchocele and Goitre
Glands and Lymphatics (Specify organs involved and nature of disease)
Lymphadenoma
Tonsilitis

URINARY SYSTEM

Calculus, renal
Calculus, vesical
Cystitis, acute
Cystitis, chronic
Cystic disease of kidney
Nephritis, acute (State variety)
Nephritis, chronic (State variety)
Prostate gland (Specify disease as Abscess, Hypertrophy, Inflammation, etc.)
Pyelitis
Uremia (State cause and mode of death)

REPRODUCTIVE SYSTEM

Abortion and Miscarriage (Give cause, mode of death and period of gestation)
Childbirth (State conditions causing death, as Eclampsia, Hemorrhage, Placenta previa, Rupture of uterus, etc.)
Diseases of the uterus (Specify nature and cause of)

Diseases of the ovaries (Specify variety, as Abscess, Acute or Chronic Inflammation, Tumor, etc.; mode of death and operation)

Pelvic abscess (State cause)

Pelvic peritonitis (State variety, as Puerperal, Traumatic, etc., and give cause of last mentioned)

Pyosalpinx

Salpingitis

OSSEOUS AND INTEGUMENTARY SYSTEM

Abscess (Specify variety, as Articular, Cellular, Muscular, Osseous, etc., and state location and cause)

Carbuncle (State location and organs involved)

Caries and Necrosis (Specify variety, and state the bones and joints involved)

Pemphigus

Ulcers (Specify variety, and state location and organs involved)

Gangrene—other than senile (Specify seat or organs involved and state cause)

CLASS "C"—VIOLENT DEATHS.

Deaths from Accident, Misadventure, Negligence, and all forms of Violence, whether intentional, self-inflicted or otherwise, must be reported to the Coroner, who alone is authorized to certify as to the cause and manner of death in these cases. The HEALTH DEPARTMENT is not authorized to issue Burial Permits for them except on the Coroner's authority.

Deaths from the following causes are all to be referred to the Coroner for Certificate. They include—

Anesthesia	Hanging
Asphyxiation	Kick
Bullet wound	Machinery
Burning	Poisons
Criminal abortion	Ptomaine poisoning
Crushing	Railroad or Street car accident
Drowning	Run over by other vehicles
Electricity	Scalding
Explosion	Septic diseases
Exposure	Shock following operations
Falls	Strangulation
Fungi, mushrooms or toadstools	Suffocation,

as well as any form of Homicide, Suicide, or Sudden Death from unknown cause.

We invite your attention particularly to the several maps and charts accompanying the report, as follows:

No. 1—Map showing the location of all deaths from all causes during the year.

No. 2—Map showing the location of fatal cases of Tuberculosis.

No. 3—Map showing the location of fatal cases of Acute Lung Diseases.

No. 4—Map showing the location of fatal cases of Diphtheria, together with the location of reported cases thereof.

No. 5—Map showing the location of fatal cases of Typhoid Fever and Scarlet Fever.

No. 6—Map showing the location of fatal cases of Diarrheal Diseases.

CHARTS.

No. 1—Percentage to the Total Mortality from six of the principal causes of death, for thirty-three years.

No. 2—Showing Annual Mortality from all causes and Specific Febrile Diseases for thirty-three years.

No. 3—Showing the Annual Mortality from all causes, of children under five years of age, and from Cholera Infantum, for thirty-three years.

No. 4—Showing the Annual Mortality from Tuberculosis, Pneumonia, and Diseases of the Heart, for thirty-three years.

No. 5—Showing the Annual Mortality from Diphtheria, Typhoid Fever, and Smallpox, for thirty-three years.

No. 6—Showing the Annual Mortality from Scarlet Fever, Measles, and Whooping Cough, for thirty-three years.

No.7—Showing the average reading of the barometer, thermometer, range of temperature, humidity and rainfall, and number of deaths from Tuberculosis, Pneumonia, Bronchitis, Diphtheria, and Typhoid Fever for each month for six years, from July, 1892, to June, 1898, inclusive.

BIRTHS.

In the matter of the registration of births, I regret very much to say that there has been a reprehensible lack of co-operation on the part of the physicians of this city in reporting to this office the births occurring in their practice. To such an extent has this neglect been carried that during several months of the past fiscal year the death rate has been vastly larger than the birth rate, as will be shown by our statistics hereto appended.

REPORT OF BIRTHS FOR FISCAL YEAR ENDING JUNE 30th, 1898.

MONTHS.	Male	Female	Total	Twins	RACE.			NATIVITY OF PARENTS.						
					Caucasian	Mongolian	African	United States	Germany	Italy	Ireland	Other Foreign Countries	Mixed Nationalities	Unascertained
1897—July	235	208	443	4	437	6	..	192	17	13	14	47	149	11
August	304	298	602	7	589	11	2	228	46	45	22	65	184	12
September	269	205	474	2	467	7	..	182	33	28	20	43	161	7
October	208	212	420	2	416	4	..	162	32	22	10	50	137	7
November	248	254	502	4	494	8	.	181	34	40	33	41	159	14
December	262	201	463	4	459	4	..	194	16	29	30	48	139	7
1898—January	209	228	437	1	433	4	..	156	35	34	10	41	158	3
February	236	193	429	3	425	3	1	180	25	25	25	39	123	12
March	208	196	404	5	398	6	..	166	18	27	22	42	121	8
April	208	182	390	2	387	3	..	133	27	29	16	49	132	4
May	193	196	389	1	383	6	..	159	27	27	15	44	111	6
June	232	184	416	3	411	5	..	154	26	20	29	46	126	15
	2812	2557	5369	38	5299	67	3	2087	336	339	246	555	1700	106

ESTIMATED POPULATION, DEATH AND DEATH RATE PER 1,000 FOR TWENTY-FIVE YEARS.

FISCAL YEARS.	Estimated Population.	Births Registered.	Still-Births Registered.	Marriages Registered.	Deaths Registered.
1873-74	200,770	580	291	2,082	4,014
1874-75	230,132	563	295	2,263	4,163
1875-76	272,345	630	306	2,464	4,791
1876-77	300,000	811	332	2,488	6,180
1877-78	300,000	1,056	330	2,355	4,977
1878-79	305,000	1,504	287	2,240	4,493
1879-80	233,700	1,340	316	2,183	4,340
1880-81	234,520	1,289	261	2,392	4,287
1881-82	234,520	2,227	330	2,605	5,008
1882-83	250,000	1,667	*	2,687	4,986
1883-84	270,000	1,891	283	1,759	5,000
1884-85	270,000	1,278	238	2,804	5,288
1885-86	280,000	1,504	249	2,651	5,322
1886-87	300,000	1,346	293	2,977	5,359
1887-88	330,000	1,780	301	3,172	6,076
1888-89	330,000	1,631	359	3,605	5,729
1889-90	330,000	2,235	339	3,421	6,378
1890-91	330,000	2,903	369	3,236	6,650
1891-92	330,000	4,088	397	3,598	6,911
1892-93	330,000	3,889	341	5,413	6,061
1893-94	330,000	3,894	*	3,200	6,060
1894-95	330,000	3,755	*	3,230	6,059
1895-96	330 000	5,020	*	3,164	5,966
1896-97	360,000	5,159	339	3,126	6,150
1897-98	360,000	5,359	315	3,019	6,544

*Not shown.

STATEMENT OF MARRIAGES, BIRTHS AND DEATHS FOR FISCAL YEARS 1891-92, 1892-93, 1893-94, 1894-95, 1895-96, 1896-97, 1897-98.

MONTHS.	Births registered.	Marriages	Deaths registered	MONTHS.	Births registered.	Marriages	Deaths registered
1891—July	288	251	580	1892—January	142	288	700
August	268	268	550	February	303	237	593
September	283	309	465	March	475	231	579
October	230	345	554	April	427	301	486
November	511	355	548	May	417	279	530
December	361	324	800	June	383	350	526
					4088	3598	6911
1892—July	333	269	580	1893—January	333	338	567
August	391	269	450	February	284	245	478
September	318	287	468	March	298	189	529
October	338	298	452	April	318	336	466
November	314	315	540	May	312	244	514
December	298	316	565	June	352	307	452
					3889	3413	6061
1893—July	333	267	489	1894—January	307	301	607
August	284	282	440	February	270	206	498
September	258	252	468	March	305	250	565
October	373	278	488	April	400	279	546
November	362	274	525	May	345	214	490
December	320	285	503	June	337	312	441
					3894	3200	6060

STATEMENT OF MARRIAGES, BIRTHS AND DEATHS—Continued.

MONTHS.	Births registered.	Marriages	Deaths registered.	MONTHS.	Births registered.	Marriages	Deaths registered.
1894—July.....	311	237	489	1895—January.....	339	257	547
August.....	361	267	537	February.....	346	269	493
September.....	381	291	494	March.....	271	227	609
October.....	344	304	518	April.....	280	273	469
November.....	288	283	522	May.....	261	237	426
December.....	279	306	522	June.....	294	279	443
					3755	3230	6059
1895—July.....	272	239	539	1896—January.....	513	239	493
August.....	349	289	438	February.....	409	280	483
September.....	414	243	460	March.....	474	216	528
October.....	436	323	480	April.....	454	261	497
November.....	355	300	496	May.....	478	186	538
December.....	359	272	514	June.....	507	313	500
					5020	3164	5966
1896—July.....	406	252	505	1897—January.....	501	259	613
August.....	462	257	454	February.....	484	254	551
September.....	401	257	466	March.....	424	216	560
October.....	410	311	506	April.....	386	277	478
November.....	362	288	463	May.....	497	185	465
December.....	410	278	603	June.....	416	292	486
					5159	3126	3150
1897—July.....	443	238	473	1898—January.....	437	249	659
August.....	602	226	426	February.....	429	236	560
September.....	474	257	468	March.....	404	243	693
October.....	420	247	500	April.....	380	237	592
November.....	502	305	586	May.....	389	239	558
December.....	463	261	568	June.....	416	281	461
					5359	3019	6544

THE USE OF ANTI-TOXIN SERUM IN THE TREATMENT OF DIPHTHERIA UNDER THE SUPERVISION OF THE HEALTH DEPARTMENT.

Another link in the chain of progress made by the Department during the past fiscal year is the free distribution of diphtheritic antitoxin to the poor of this city, and it affords me great pleasure to state, as a result, the statistics show a marked decrease in fatalities among those affected with this dread disease. The good resulting is more than emphasized by the fact that the majority of the cases treated by this method were, as a rule, among the very poorest classes in the tenement-house districts, where the surroundings were almost invariably unfavorable, and in consequence almost every case was extremely severe.

The inauguration of this treatment dates from November, 1897, and the only restriction placed upon the distribution of the serum (which we considered necessary in order to prevent extravagance) was the requirement that the physician in attendance certify over his signature that the party for whom the drug was intended was too poor to procure the same at his own expense. In almost every case physicians cheerfully accepted the opportunity, and in this manner your Department has distributed up to the present time about two hundred and ninety-five thousand units of the serum. The accompanying table will show the total number of cases treated, and, through the kindness of attending physicians who, at our request, have generously given us histories of their cases, we are able to show you interesting data in regard to the course of the disease and the result of the treatment.

RECAPITULATION OF CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM, FURNISHED GRATUITOUSLY BY THE SAN FRANCISCO HEALTH DEPARTMENT.

RESULT OF BACTERIOLOGICAL EXAMINATION.	NO. OF CASES.	DEATHS.	PER CENT.
Diphtheria bacilli	88	11	12.5
Pseudo-diphtheria	12	.....	.....
Staphylococci and or Streptococci and or Diplococci, etc.	35	5	14.29
Saphrophytes	1	.....	.....
No growth	1	.....	.....
No examination made (being members of families where other cases had been examined.)	7	.....	.....
Total	144	16	11.11

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS OF THE ATTENDING PHYSICIANS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
1	A. S.....	7	Trachea, glottis and epiglottis.	Diphtheria bacilli and streptococci.....
2	A. H.....	6	Tonsils and pharynx.	Diphtheria bacilli and staphylococci.....
3	A. K.....	3	Right tonsil.	Staphylococci and streptococci.....
4	S.....	7	Left tonsil.	1st—Streptococci 2nd—Diphtheria bacilli, streptococci and staphylococci .....
5	S.....	16	Both tonsils.	Diphtheria bacilli.....
6	W. R....	7	Tonsils, pharynx and soft palate.	Diphtheria bacilli and staphylococci.....
7	E. K.....	8	Naso-pharynx, tonsils and velum palati.	Diphtheria bacilli and staphylococci.....
8	N. B.....	11	Tonsils.	Diphtheria bacilli and staphylococci.....
9	N. B.....	14	Tonsils and pharynx.	Diphtheria bacilli and staphylococci.....
10	M. B.....	37	Tonsils.	Diphtheria bacilli and staphylococci.....
11	McD.....	4	Larynx and pharynx.	Diphtheria bacilli and staphylococci.....
12	L. V.....	...		Streptococci .....
13	S. H.....	5	Tonsils and palate.	Pseudo-Diphtheria .....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

FROM NOVEMBER 19, 1897, TO JUNE 30, 1898.

Number of Injections.....	Amount Injected—units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	2000	Improvement within 18 hours. Pulse and temperature normal within 30 hours....	Recovery	
1	1500	Improvement within 18 hours. Appetite returned. Pulse and temperature improved	Recovery.	
1	2000	Improvement within 20 hours. Diphtheritic membrane disappeared within 48 hours. Temperature and pulse normal..	Recovery.	
1	1000	Gradual improvement with recovery in 5 days	Recovery.	Urine showed albumen and casts.
3	3000	Improvement within 10 hours.....	Recovery.	
1	1000	Result of serum decided, quick and surprising. Improvement within 20 hours. Pulse and temperature normal within 48 hours.....	Recovery.	
1	1500	Pulse and temperature normal within 12 hours. Cleared up within 24 hours. Membrane disappeared within 36 hours.	Recovery.	
2	1300	Immediate improvement. Convalescent within 48 hours. Diphtheritic membrane disappeared in 96 hours.....	Recovery.	
1	1000	Convalescent within 70 hours. Diphtheritic membrane disappeared on 7th day..	Recovery.	
1	1000	Convalescent on 2nd day. Diphtheritic membrane disappeared on 4th day.....	Recovery.	
1	1000	Improvement with recovery on the 6th day	Recovery.	
1	1000	Physician's report incomplete. Intubation performed	Recovery.	
1	2000	No "reaction" from the anti-toxin. Patient slept well and case progressed favorably until 3rd day. Increase of temperature with all symptoms of acute laryngitis. Case terminated satisfactorily within a week without any sequelae	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
14	R. McH..	9	Tonsils.	Diphtheria bacilli, staphylococci and streptococci
15	M. McH.	4	Tonsils, uvula and soft palate.	Diphtheria bacilli, staphylococci and diplococci
16	E. P.....	4	Tonsils and posterior fauces, with ichorous discharge from nares.	No examination made. (Member of family of case No. 18.)
17	L. P.....	6	Tonsils.	No examination made. (Member of family of case No. 18.)
18	M. P.....	11	Throat almost occluded with membrane; nose invaded.	Diphtheria bacilli and diplococci
19	M. P.....	2	Both tonsils.	No examination made. (Member of family of case No. 18.)
20	D. M.....	12	Both tonsils, uvula and pillars.	Streptococci and staphylococci
21	M. M.....	6	Both fauces and tonsils covered with membrane.	Diphtheria bacilli and staphylococci
22	C. H.....	....	Tonsils.	Diphtheria bacilli, staphylococci and streptococci
23	L. M.....	11	Both tonsils; cervical glands hard and enlarged.	Staphylococci and streptococci

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	2000	Immediate improvement under adverse sanitary conditions and lack of proper care. Rapid convalescence.....	Recovery.	
5	6000	Marked improvement immediately. Swelling reduced, pulse improved. Through lack of proper care and nourishment patient failed and died on the fifth day. The Anti-toxin was beneficial, and under favorable conditions would hope for recovery in a similar case.....	Death.....	Surroundings unfavorable; no nurse and no means of warming the room in which the father and three children lived.
3	4500	Improvement began in 12 hours and steadily continued until recovery.....	Recovery.	
2	4000	Quick and complete recovery.....	Recovery.	
1	6000	Most marked improvement. A hemorrhage of the nostrils set in, causing exhaustion and death.....	Death.....	Treated ten days previously without anti-toxin.
1	1500	Quick and complete recovery.....	Recovery.	
1	1500	The effect of one injection was remarkable. The case practically arrested. Temperature fell at once and in 24 hours the membrane was much thinner. In 2 days the membrane disappeared and temperature normal.....	Recovery.	
2	4000	Quick and complete recovery. Diphtheritic membrane disappeared within 48 hours	Recovery.	
3	....	Temperature normal since 3rd injection. Diphtheritic membrane disappeared about the same time.....	Recovery.	
1	1000	Immediate improvement. Diphtheritic membrane decreased one-half within 24 hours. On 3rd day Epistaxis severe. Pulse and temperature normal. Some appetite; glands less swollen; throat clean and patient convalescent.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
24	H. F.....	6	Both tonsils swollen and covered with membrane.	Diphtheria bacilli and staphylococci.....
25	E. R.....	....	Pharynx, tonsils and fauces; spreading over roof of mouth.	Pseudo-Diphtheria .....
26	M.....	....	.....	Pseudo-Diphtheria .....
27	M.....	....	.....	Pseudo-Diphtheria .....
28	M.....	....	.....	Pseudo-Diphtheria .....
29	L. G.....	7	Fauces, tonsils and uvula; muco-purulent discharge from anterior nares.	Pseudo-Diphtheria .....
30	A. C.....	9	Tonsils, pharynx, uvula and gums.	Diphtheria bacilli.....
31	E. C. M.	5	Tonsils.	Streptococci, staphylococci and diplococci.

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections	Amount Injected—Units	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
4	6800	See Clinical Report in full attached hereto	Recovery.	
2	4000	First injection did not affect the progress of the membrane. Following day a second injection was made and within 6 hours laryngeal symptoms abated and temperature dropped to normal. Membrane very persistent	Recovery.	
1	500	Immediate improvement with rapid convalescence and recovery	Recovery.	
1	500	Immediate improvement with rapid convalescence and recovery	Recovery.	
1	500	Immediate improvement with rapid convalescence and recovery	Recovery.	
1	1500	Within 18 hours patient a little stronger, temperature reduced, pulse stronger, less cyanosis, breathing easier, slight cough, no apparent change in membrane. Following day, child much brighter, pulse 110 and very strong, cervical glands reduced, membrane disappearing and cyanosis entirely disappeared	Recovery.	
2	1500	Within 9 hours after 1st injection temperature normal, pulse 100. Following morning, membrane disappearing, temperature normal, gave 2nd injection and within 20 hours deposit entirely gone, temperature and pulse normal	Recovery.	
1	1000	Improvement within 20 hours, temperature almost normal, breathing easier. Following day patient greatly improved, membrane lessening on Tonsils and entirely disappeared the next day. Temperature normal and case dismissed	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
32	M. S.	6	Tonsils.	Diphtheria bacilli and staphylococci
33	M. C.	8	Tonsils and uvula.	Diphtheria bacilli and staphylococci
34	J. C.	2	Tonsils.	Diphtheria bacilli and staphylococci
35	A. L.	....	.....	Diphtheria bacilli, staphylococci, streptococci, diplococci
36	K. L.	4	.....	Pseudo - diphtheria, staphylococci and streptococci
37	O. L.	3	.....	Streptococci and staphylococci
38	F. H.	3½	Both tonsils, uvula and pharyngeal wall.	Staphylococci and streptococci
39	S. Y.	6	Tonsils, mouth and nostrils.	Staphylococci and streptococci
40	O. Y.	13	Tonsils.	Diphtheria bacilli, staphylococci and streptococci
41	C. Y.	....	Tonsils.	Streptococci and staphylococci

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	1000	Immediate improvement with reduction of temperature and gradual convalescence. Temperature normal and membrane disappeared on 3rd day.....	Recovery.	
3	2700	Membrane disappeared within 24 hours after 3rd injection. Temperature almost normal and gradual improvement till recovery	Recovery.	
3	1800	Delirious 24 hours after 1st injection. Improvement within 5 hours after 2nd injection with temperature normal and disappearance of membrane 24 hours thereafter	Recovery.	
1	1000	Immediate improvement with decrease of temperature in 12 hours. Good recovery.	Recovery.	
1	1600	Good recovery. Result very satisfactory.	Recovery.	
1	1000	Good recovery. Result very satisfactory.	Recovery.	
1	500	See Clinical Report in full attached hereto	Death.....	
1	1000	Decided improvement within 48 hours. Temperature normal, Tonsils free from membrane. On 6th day progressing to convalescence. Diphtheritic membrane entirely disappeared with satisfactory recovery on 13th day.....	Recovery.	
1	1000	Immediate improvement with temperature normal within 24 hours. Appetite good. Membrane disappeared on 4th day and convalescence rapid.....	Recovery.	
1	1000	Immediate improvement, with temperature normal within 24 hours. Appetite good. Diphtheritic membrane disappeared on 3rd day and recovery rapid.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
42	S.....	2	Larynx and pharynx.	1st—No growth. 2nd—Staphylococci .....
43	M. S.....	4	Tonsils and pharynx.	Diphtheria bacilli, staphylococci and streptococci .....
44	W. E.....	13	Tonsils and pharynx.	Staphylococci and streptococci.....
45	M. M.....	22	Both tonsils, uvula and posterior wall of pharynx.	Staphylococci and streptococci bacilli.....
46	A. B.....	3	Larynx and pharynx.	Diphtheria bacilli.....
47	R. deV...	7	Right tonsil and right side of uvula.	Staphylococci and streptococci.....
48	M. F.....	11	Fauces, uvula and tonsils.	Staphylococci .....
49	J. C.....	5	Tonsils and palatine arches.	Diphtheria bacilli.....
50	L. A.....	11	Tonsils, pillars of the fauces, soft palate and nares.	1st—Staphylococci and streptococci..... 2nd—Diphtheria bacilli and streptococci..
51	F.....	6	Tonsils, pharynx and larynx.	1st—No growth. 2nd—No growth.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units....	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	1500	Lower pulse and decrease of temperature. Intubation 30 minutes after 2nd injection. Died three hours later.....	Death.....	This is a case where the anti-toxin was used as a "dernier ressort," being under care twelve hours only.
3	2500	Within one hour temperature was reduced 2 degrees, and so remained for 20 hours. Arose to 102, which after 2nd injection decreased to normal. Membrane sloughing, gave 3rd injection of 500 units. Recovery on 4th day of disease	Recovery.	
1	1000	Slightly altered. Recovery on the 5th day of disease.....	Recovery.	
1	2000	Gradual disappearance of membrane and improvement of constitutional symptoms	Recovery.	
2	2000	Marked improvement and decrease of temperature from 103 to 100.....	Recovery.	
2	2000	Diphtheritic membrane disappeared entirely within 24 hours after second injection	Recovery.	
1	1000	Fever and throat symptoms immediately ameliorated and patient began to improve at once, with recovery in 4 days thereafter	Recovery.	
1	1000	Improvement within 24 hours, and continued to recovery.....	Recovery.	Serum successful.
2	2000	In eight hours pulse had dropped from 148 to 126, and had improved in quality very much. Temperature reduced 2.2 degrees. Membrane diminished in extent and seemed thinner. Following 2nd injection membrane disappeared rapidly. Temperature and pulse normal. Improvement very marked.....	Recovery.	First seen on fourth day of disease; extremely prostrated, pulse thready, nervous symptoms very marked.
1	1000	Immediate improvement with decrease of temperature; less cyanosis and breathing easier.....	Recovery.	Serious case; recovery due to the use of the serum.

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
52	J. D.....	5	Tonsils, soft palate and extending into nasal cavity.	Pseudo - diphtheria, staphylococci and streptococci .....
53	T. H.....	7	Fauces.	1st—Staphylococci. 2nd—Staphylococci...
54	W. O.....	3	Tonsils.	Staphylococci and streptococci.....
55	L. O.....	5	Tongue, roof of mouth and tonsils.	Staphylococci .....
56	M. M.....	8	Both tonsils and post-pharyngeal wall.	Staphylococci and streptococci.....
57	R. A.....	4	Nose and pharynx.	1st—Staphylococci 2nd—Diphtheria bacilli
58	E.....	5	Fauces, uvula and tonsils.	Staphylococci .....
59	K.....	3	Tonsils and fauces.	Streptococci, staphylococci and pneumonococci .....
60	K.....	5	Tonsils and fauces.	Streptococci, staphylococci and pneumonococci .....
61	F. O.....	5	Tonsils and pharynx.	Pseudo - diphtheria, streptococci and staphylococci .....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units....	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	1000	Reduction of temperature to about normal within 12 hours. No increase during term of illness. Membrane disappeared in 3 days.....	Recovery.	
1	3000	No appreciable result.....	Recovery.	
1	1000	Improvement with gradual disappearance of deposit. Recovery on 3rd day.....	Recovery.	
1	500	Improvement with gradual disappearance of membrane. Recovery on 4th day.....	Recovery.	
1	2000	Immediate and marked improvement. Temperature fell a degree every 12 hours until normal. Recovery on 4th day	Recovery.	
1	1000	Temperature reduced from 102 to 99 within 24 hours. Gradual and continued improvement until 4th day, when patient developed purpura hemorrhagica. The bleeding from mouth and nose was extremely severe.....	Death.....	
2	4000	Rapid improvement in all symptoms. Tonsils, fauces and uvula clear of membrane in 48 hours. This case followed by a well marked paralysis of the soft palate, causing nasal speech.....	Recovery.	
2	3500	Continued improvement, with recovery on the 6th day.....	Recovery.	Believed by the physician to be diphtheria, notwithstanding the failure to find the diphtheria bacilli.
1	1000	Died 4 hours after injection of the serum from insufflating its own vomit during a severe convulsion.....	Death.....	Believed by the physician to be diphtheria, notwithstanding the failure to find the diphtheria bacilli.
2	2500	Within 4 to 6 hours breathing easier, and inclined to sleep. Within 12 hours temperature reduced from 102 to 100. Gradual improvement, with recovery on 4th day after injection of serum.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION
62	N.....	2	Tonsils.	Streptococci .....
63	R. S.....	2	Not stated.	Staphylococci .....
64	E. S.....	6	Entire larynx and tonsils.	Diphtheria bacilli and staphylococci.....
65	Mrs. C...	54	Both tonsils, posterior wall of pharynx and nasal mucous membrane.	Diphtheria bacilli, staphylococci and streptococci .....
66	G. J.....	4	Posterior nasal cavity.	Diphtheria bacilli, diplococci and staphylococci .....
67	A. P.....	5	Both tonsils, fauces and larynx.	Diphtheria bacilli.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	2000	Immediate improvement; patient quieter and slept a good deal. Very little perspiration 8 hours after injection. After 24 hours decided change in temperature, pulse and general condition; symptoms gradually disappeared with recovery about 4th day.....	Recovery.	
1	2000	Immediate improvement, with recovery in a couple of days.....	Recovery.	
2	3200	Within twenty hours after first injection was somewhat less stridulent, cyanosis less marked. Twelve hours after 2nd injection patient was completely relieved, no apparent obstruction in larynx. Pulse stronger. Result of serum treatment marvelous.....	Recovery.	A very severe case, complicated with bronchitis.
1	1000	Within 6 hours temperature reduced, respiration less difficult, membrane loosened. Within 48 hours membrane entirely disappeared	Recovery.	
1	2000	For a few hours after injection of serum the symptoms increased in severity (dyspnoea, cyanosis, etc.). After that, complexion cleared, respiration more quiet and pulse stronger until 9 hours after administration of serum, when, during brief struggle with nurse in an attempt to have him open his mouth, heart-failure carried him off.....	Death.....	Patient very refractory, and for first twenty-four hours case was treated as impending tonsilar abscess.
2	1600	Had a favorable effect on the disease as it reduced the symptoms, fever, etc., and caused a localization of the process. Temperature reduced and pulse improved within 6 hours after injection of serum. Gradual improvement, with recovery in 7 days..... Sequelae: Slight paralysis of pharynx, causing difficult deglutition.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
68	J. L.....	6	Tonsils, pharynx, larynx and fauces.	Diphtheria bacilli and staphylococci.....
69	L.....	4	Tonsils and pharynx.	No examination made. (Member of family of case No. 68.).....
70	J. B.....	6	Tonsils and pharynx.	Diphtheria bacilli.....
71	J. P.....	5	Tonsils, pharynx and larynx.	Diphtheria bacilli.....
72	P.....	7	Tonsils, pharynx and larynx.	Diphtheria bacilli.....
73	P.....	9	Tonsils.	Diphtheria bacilli.....
74	P.....	11	Tonsils.	Diphtheria bacilli.....
75	E. P.....	13	Tonsils.	Staphylococci and streptococci.....
76	L. B.....	14	Tonsils, pharynx, larynx and nasal cavity.	1st—No growth..... 2nd—Staphylococci, streptococci and diplococci .....
77	J. P. N..	12	Tonsils.	Staphylococci and streptococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	2000	Reduction of temperature and improvement of constitutional symptoms, and rapid convalescence. Membrane disappeared on the 4th day.....	Recovery.	
2	2000	Reduction of temperature and improvement of constitutional symptoms. Rapid convalescence. Membrane disappeared on 4th day.....	Recovery.	
2	2000	Reduction of temperature and improvement of constitutional symptoms. Rapid convalescence. Membrane disappeared on the 5th day.....	Recovery.	
2	2000	Gradual improvement with reduction of temperature. Rapid convalescence. Membrane disappeared on the 5th day..	Recovery.	
2	2000	Reduction of temperature and improvement of constitutional symptoms. Membrane disappeared on 5th day.....	Recovery.	
1	1500	Reduction of temperature and improvement of constitutional symptoms. Membrane disappeared on the 5th day.....	Recovery.	
1	1500	Reduction of temperature and improvement of constitutional symptoms. Membrane disappeared on the 5th day.....	Recovery.	
1	1000	Reduction of temperature and improvements of constitutional symptoms. Membrane disappeared on the 5th day..	Recovery.	
3	5000	Reduction of temperature and improvement of constitutional symptoms. Membrane disappeared on the 14th day. Membrane very persistent.....	Recovery.	
1	1000	Slow but positive beneficial effect. Gradual decline of temperature from 105 on first visit. Membrane persistent.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME,	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
78	C. A. N.	4	Pharynx, larynx, tonsils and nasal passages.	Diphtheria bacilli, staphylococci, streptococci and diplococci
79	M. G.	3	Larynx, pharynx, trachea and soft palate.	Diphtheria bacilli and staphylococci
80	T. E. O.	9	Tonsils, uvula and pharynx.	Diphtheria bacilli and staphylococci
81	M. A.	16	Tonsils and uvula.	Pseudo-diphtheria and streptococci
82	A. E.	4	Soft palate, posterior nares and pharnyx.	Diphtheria bacilli
83	C. L.	10	Both tonsils, velum palatinum and sides of uvula.	Diphtheria bacilli and staphylococci

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected—Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	3000	Immediate improvement, with gradual decline of temperature to normal on 3rd day. Within a few hours nasal passages began to clear, and within 3 days were entirely free from membrane. The case was complicated with nephritis and albuminuria	Death....	
3	4000	Effect of serum remarkably prompt and beneficial. Immediate improvement, with decline of temperature and general improvement of constitutional symptoms. Membrane disappeared with recovery on 6th day.....	Recovery.	
2	2000	Improvement with decline of temperature. Recovery on 16th day after administration of Antitoxin.....	Recovery.	
2	2000	Immediate improvement, with decline of temperature 2½ degrees. Twelve hours later, second injection of 500 units. From that time recovery uneventful. Discharged cured on 9th day.....	Recovery.	
5	10000	After each injection the temperature fell within 3 hours from 1 to 2 degrees, and patient seemed much relieved. The serum treatment exerted a powerful influence for the good in this case. The usual constitutional symptoms were not observed, and if we can judge from the severity of the local symptoms, we would certainly have looked for profound prostration. Edema of throat was intense, and after removal of tube on 8th day it had to be reinserted within 2 hours.....	Recovery.	Here I gave the last injection of serum, and tube was coughed up on following day and was no longer required; case intubated on second day and recovered on twenty-sixth day of disease.
4	1500	The effects of the injections appeared to be almost immediate. The membrane became loose after the 1st injection, attended by some slight bleeding. The	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
84	C. S.....	21	Both tonsils and nose; fauces and tonsils swollen and livid; marked swelling of glands in neck on both sides.	Staphylococci and streptococci.....
85	M. A. M	8	Both tonsils, anterior pillars of pharynx and soft palate.	Diphtheria bacilli, pseudo-diphtheria and streptococci .....
86	M. K.....	17	Both tonsils and uvula.	Diphtheria bacilli and streptococci.....
87	I. H.....	3	Tonsils.	Diphtheria bacilli.....
88	H. B.....	15	Tonsils and posterior nares.	Staphylococci and streptococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.	Amount Injected Units.	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
		membrane seemed to thicken and roll up, at the same time showing yellow-gray discoloration. This process went on steadily until after the 4th injection (4th day), when membrane disappeared, leaving 3 small whitish ulcerations. Recovered on 14th day. Sequelae: Nephritis, lasting 2 months; paralysis of soft palate, lasting 3 months.....		
1	1000	Immediate improvement. Temperature and pulse dropped from 104 3-5 and 124, respectively, to normal within 48 hours, and patient practically well.....	Recovery.	Physician reports having used the serum on two other cases during the winter, with only good results, and will not attend a case in future unless permitted to use the serum.
3	3000	Marked decrease in temperature and pulse with increased volume, and diminution of membrane and diphtheritic fetor. Patient made an uneventful recovery. For 6 days before serum treatment patient had marked paralysis of soft palate.....	Recovery	
1	2000	Immediate improvement. In 18 hours left tonsil and uvula clean; right tonsil covered with membrane, which is loose and pulse normal. In 42 hours membrane easily removable. Temperature and entirely disappeared, no subjective complaint and no diphtheritic symptom visable, and case dismissed.....	Recovery.	
1	2000	No improvement. Case too far gone. Dyspnoea increased steadily until death, within a few hours. Saw the case on 3rd day; died on same day.....	Death....	
2	2000	Improved immediately after 2nd injection, with gradual convalescence and recovery. Physician states: "This was a bad case, and I believe patient would have died had it not been for the 2nd injection of Antitoxin."	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
89	A. B.....	5	Both tonsils, pharynx and larynx.	Streptococci .....
90	R. B.....	3	Right tonsils.	Diphtheria bacilli.....
91	Mrs. F ..	...	Tonsils.	(No examination made.) (Mother of case No. 97).....
92	A. B.....	18 mos	Tonsils, posterior nares and eustachian tubes.	3 examinations showed diphtheria bacilli and staphylococci each time.....
93	R. B.....	3	Tonsils, eustachian tubes and nares.	Diphtheria bacilli and staphylococci.....
94	Mrs. B....	24	Both tonsils.	1st—Staphylococci ..... 2nd—Diphtheria bacilli, staphylococci and streptococci ..... 3rd—Diphtheria bacilli.....
95	M. N.....	4	No membrane; right tonsil affected.	Diphtheria bacilli.....
96	E. G.....	9	No membrane seen; appeared to be larnygeal.	Diphtheria bacilli, staphylococci, streptococci and diplococci.....
97	M. F.....	6	Pharnyx and adjoining parts.	Diphtheria bacilli.....
98	Mrs. G...	32	Both tonsils.	2 examinations showed diphtheria bacilli..

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections....	Amount Injected—Units....	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	1000	Immediate improvement. The parents report that he brightened up considerably and was playing around the room about 5 minutes before his death at 4 o'clock p. m. on same day of administration of injection. The above case was moribund before using the Antitoxin, and death resulted from heart-failure.	Death.....	
1	1000	Immediate improvement, with diminution of diphtheritic symptoms. Result of Antitoxin very satisfactory, though convalescence somewhat slow.....	Recovery.	
1	2000	Immediate improvement, with fall of temperature and disappearance of exudate..	Recovery.	Has a weak heart and debilitated.
1	1000	Within 24 hours decided improvement in breathing and general condition. Good appetite, no fever, slept well, and epistaxis disappeared.....	Recovery.	
1	1000	Greatest improvement the following day. Slept and fed well and was less irritable. Good, steady pulse, and no fever.....	Recovery.	Just convalescent from pertussis.
1	1000	Great and immediate improvement.....	Recovery.	Complicated with earache, urticaria, rheumatism, etc.
1	1000	Very mild case. Immediate improvement and recovery.....	Recovery.	
1	2000	Reduction of temperature and improvement of symptoms. Recovery on 6th day	Recovery.	
2	4000	Improvement in throat, with reduction of temperature. Epistaxis very persistent, and checked only by solution of persulph. of iron.....	Death.....	Very delicate child; had spinal disease and stomach trouble, with frequent vomiting; unable to take nourishment.
1	1000	Within 48 hours no appearance of the disease, except extreme redness of throat and tonsils. No fever; pulse normal; eats and sleeps well.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
99	M. A.....	19	Tonsils, pharnyx and uvula.	Diphtheria bacilli.....
100	B. G.....	7	Both tonsils.	Diphtheria bacilli.....
101	M. McG..	7	Uvula and tonsils.	Diphtheria bacilli and streptococci.....
102	A. N.....	5	Larynx and tonsils.	Diphtheria bacilli.....
103	G. A.....	6	Pharynx, both tonsils, uvula and soft palate:	Diphtheria bacilli.....
104	R. A.....	30	Left tonsil.	Diphtheria bacilli.....
105	Mrs. S...	38	Tonsils, pharyngeal and laryngeal walls.	Diphtheria bacilli, staphylococci and diplococci .....
106	C. S.....	2	Both tonsils and pharyngeal walls.	Diphtheria bacilli and staphylococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected Units.....	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	1000	Case very mild, scarcely any constitutional symptoms save slight fever, which immediately fell from 102 to 99....	Recovery.	
1	1000	Glands of neck seem to be more swollen on the following day; deposit more plentiful on tonsils and breathing not so free. Within 24 hours tonsils cleared off, pulse reduced and improvement in general condition manifest. Uninterrupted convalescence, with speedy recovery....	Recovery.	
1	2000	No immediate change, other than the pulse appears fuller. In 24 hours coughed up membrane on tonsils. Membrane gradually disappearing from uvula, aphonia less marked, breathing normal. Uneventful convalescence.....	Recovery.	
1	2000	No amelioration; patient died 2 hours after administration of Antitoxin.....	Death....	Stridulous breathing, showing laryngeal involvement; general cyanotic condition; first saw child at 9 a. m., anti-toxin injected at 12 m., died at 2 p. m.
3	5000	Improvement did not begin until 24 hours after last injection. Throat clean on 6th day.....	Recovery.	Complicated with albuminuria.
1	2000	Recovered promptly after injection of Antitoxin. On 3rd day throat clean.....	Recovery.	
3	2500	Immediate improvement. In 8 hours temperature normal, and improvement in general condition.....	Recovery.	
4	3500	Rapid reduction of temperature; pulse less rapid; exfoliation of membrane; marked improvement in the general appearance and condition. (Temperature fell from 104 to normal immediately after injection of Antitoxin).....	Recovery.	Very severe case.

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
107	I. S.....	13	Tonsils and larynx.	No examination made. (Member of family of case No. 106.).....
108	D. S.....	11	Both tonsils and laryngeal walls.	No examination made. (Member of family of case No. 106).....
109	A. B.....	20	Right tonsil.	2 examinations showed diphtheria bacilli each time .....
110	M. B.....	5	Tonsils, larynx and nares.	Diphtheria bacilli.....
111	T. B.....	3	Tonsils.	Diphtheria bacilli shown on 2 examinations .....
112	A. B.....	13	Tonsils.	1st—Diphtheria bacilli, staphylococci and streptococci ..... 2nd—Diphtheria bacilli.....
113	I. B.....	9	Tonsils and nares.	Diphtheria bacilli shown on two examinations .....
114	A. B.....	6	Tonsils, tongue, uvula, nasal cavities and larynx.	Diphtheria bacilli and staphylococci.....
115	M. C.....	6	Tonsils.	Diphtheria bacilli, staphylococci, diplococci .....
116	E. L.....	6	Left tonsil.	Staphylococci and streptococci.....
117	R. P.....	7	Left tonsil.	Diphtheria bacilli and staphylococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections	Amount Injected—Units	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	2000	Cessation of symptoms for 3 days, when they began again. Injected 1,500 units, with the result of rapid disappearance of all symptoms.....	Recovery.	The first injection would have been sufficient to immunize her, had she not been exposed continually to further infection; the second injection, however, did the work.
3	1100	Exfoliation of membrane and reduction of temperature to normal, where it remained. Uneventful convalescence.....	Recovery.	
1	500	Very satisfactory, though complaining of sore throat and earache. Pulse and temperature normal.....	Recovery.	
1	1000	Following morning throat clear, nares freer. No temperature, and pulse normal. Sleeps well and appetite good. Convalescence rapid.....	Recovery.	
1	1000	Membrane cleared off and throat felt more comfortable next morning. Exudation disappeared in three days.....	Recovery.	
1	1000	No fever and complete clearing of membrane in throat next day. Temperature normal, pulse 112; convalescence rapid..	Recovery.	
1	1000	Immediate improvement noticed next morning. Slept and eat well and looked much brighter. Breathing greatly relieved and membrane disappeared. Pulse regular and no fever.....	Recovery.	
3	3000	Reduction of temperature of 2 degrees a day. Normal on 3rd day; pulse regular. Very great amelioration of symptoms on 4th day; exudate nearly disappeared....	Recovery	One of the most malignant cases of diphtheria; would not have recovered under any treatment except anti-toxin.
1	1000	Immediate improvement, with exfoliation of membrane in three days.....	Recovery.	
1	1000	Great improvement in condition. Sleeps well; fever entirely disappeared. Convalescence progressing rapidly.....	Recovery	
1	1000	Great improvement, with reduction of temperature from 103.5 to normal within 24 hours. Convalescence progressing rapidly	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
118	A. V.....	5	Both tonsils, pillars and soft palate.	1st—Diphtheria bacilli, staphylococci and streptococci ..... 2nd—Staphylococci and streptococci.....
119	H. M.....	5	Pharynx.	Pseudo-Diphtheria .....
120	C. R.....	6	Tonsils and uvula.	Diphtheria bacilli.....
121	M. W....	2	Tonsils and nares.	1st—Diphtheria bacilli and staphylococci.. 2nd—Staphylococci .....
122	A. H.....	11	Larynx and tonsils.	Diphtheria bacilli.....
123	A. K.....	....	Post-nasal cavity, covering pharynx; extending into larynx and trachea.	Diphtheria bacilli.....
124	P. McC..	3	Tonsils, nares, uvula and bronchi.	Diphtheria bacilli.....
125	Mrs. P...	....	Right tonsil and pharynx.	Diphtheria bacilli.....
126	A. W.....	10	Pharynx, tonsils, uvula and soft palate.	Diphtheria bacilli.....
127	E. W.....	14	Pharynx, tonsils, uvula and soft palate.	Diphtheria bacilli.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.	Amount Injected Units.	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
2	2000	Reduction of temperature from 103 to about normal within 24 hours. Membrane disappeared on 3rd day.....	Recovery.	
1	2000	Immediate improvement, with disappearance of membrane on 3rd day.....	Recovery.	
2	3000	No change. Serum not used until 6th day of treatment, morning; 2nd injection at 3 p. m. of same day, and death followed in 6 hours.....	Death.....	
1	1000	Reduction of temperature and improvement of constitutional symptoms within 24 hours.....	Recovery.	
3	3000	Expulsion of membrane within 24 hours after 1st injection; respiration easier. Relapse on following day, which was allayed by another injection. General improvement in all symptoms from that time	Recovery.	Very serious case; recovery undoubtedly due to anti-toxin.
3	4000	Amelioration of angina and improvement of local trouble. Serum treatment commenced on 5th day.....	Death.....	Death due to absorption of toxin, and consequent paralysis of heart.
3	4500	Patient less restless for 12 hours after 1st injection. Small quantities of liquid nourishment taken after 1st and 2nd injection; no effect after 3rd injection. Membrane loosening after 1st injection and gradually lessened, but dyspnea very great, causing death.....	Death.....	Patient ill two weeks before treatment; while local symptoms were relieved by the serum, it failed to eliminate the toxins absorbed.
1	2000	Reduction of temperature and decrease of membrane within 12 hours; general condition better. Gradual improvement, with recovery in 10 days.....	Recovery.	Apartments small, dirty and badly ventilated.
2	2500	Improvement of general condition, reduction of temperature and disappearance of membrane.....	Recovery.	
2	1500	Improvement of general condition, reduction of temperature and disappearance of membrane.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years.	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
128	A. F.....	2	Tonsils and larynx.	Staphylococci. (The physician states that the absence of diphtheria bacilli on examination does not always indicate that it is not a case of diphtheria).
129	H. M.....	6	Both tonsils, uvula and pharynx.	Staphylococci, streptococci and diplococci.
130	J A.....	28	Both tonsils, anterior pillar of fauces and uvula.	Staphylococci and streptococci.....
131	J. A.....	6	Palate, tonsils, fauces, pharynx and nares.	Staphylococci and streptococci.....
132	T. S.....	14	Both tonsils.	Diphtheria bacilli and staphylococci.....
133	T. E.....	8	Tonsils.	Diphtheria bacilli and staphylococci.....
134	A. N.....	8	Tonsils and uvula.	Diphtheria bacilli, staphylococci and diplococci .....
135	M. B.....	4	Pharynx.	Staphylococci .....
136	C. B.....	6	Pharynx.	Pseudo-diphtheria and diplococci.....
137	L. H.....	4	Trachea, posterior nares and nose.	Diphtheria bacilli and staphylococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected Units...	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
5	6500	Respiration easier, except at afternoon of 2nd day. when intubation was thought necessary. Symptoms disappeared gradually during following 6 days.....	Recovery.	
1	3000	Reduction of temperature and pulse. Membrane contracted and disappeared on 2nd day.....	Recovery.	
1	2000	General condition very much better. On following day. no membrane can be seen other than a few spots on the tonsils	Recovery.	
2	3000	After first administration, membranes became detached, but reformed. Temperature went down 1 degree. After 2nd administration membranes disappeared, without recurrence. Temperature stationary between 101 and 102. In the latter stage of the disease albumen appeared in the urine, and for the last 24 hours there was complete anuria.....	Death.....	Died two days after second administration of serum.
2	1500	General improvement and reduction of temperature from 102 3-5 to 101 1-5, then gradually to 98 2-5.....	Recovery.	
1	2000	Case was not materially altered, but continued to improve.....	Recovery.	
1	100	Convalescence uneventful and patient about on the 12th day.....	Recovery.	One child had died of the disease in the house previously.
1	500	No untoward symptoms. No reaction, other than rapid amelioration of throat symptoms	Recovery.	
1	2000	Fall of temperature below normal. Signs of general malaise; patient became livid, with slight signs of collapse. Rallied..	Recovery.	
2	2000	Temperature lowered several degrees inside of 12 hours. Respiration much easier and longer. Ten hours after 2nd administration of serum the membrane began to detach.....	Recovery.	

CASES TREATED BY PHYSICIANS WITH ANTI-DIPHTHERITIC SERUM

COLLATED FROM THE REPORTS

No.	NAME.	Age—Years	LOCATION AND EXTENT OF MEMBRANE.	RESULT OF BACTERIOLOGICAL EXAMINATION.
138	E. C.....	6	Tonsils, palate, pharynx and uvula; over the tonsils was a necrotic membrane that discharged a very disagreeable odor.	Diphtheria bacilli and staphylococci.....
139	M. G.....	4	Uvula, pharynx and tonsils.	Diphtheria bacilli and streptococci.....
140	J. M.....	6	Tonsils.	Saphrophytes .....
141	C. W.....	6	Both tonsils and borders of velum palati.	1st—Diphtheria bacilli..... 2nd—Diphtheria bacilli..... 3rd—Streptococci .....
142	L. K.....	4	Tonsils.	Diphtheria bacilli, staphylococci and streptococci .....
143	A. M.....	8	Larynx and pharynx.	Diphtheria bacilli and staphylococci.....
144	L. W.....	58	Tonsils.	Diphtheria bacilli and diplococci.....

FURNISHED GRATUITOUSLY BY THE HEALTH DEPARTMENT.

OF THE ATTENDING PHYSICIANS.

Number of Injections.....	Amount Injected Units....	SYMPTOMS AND CONDITION FOLLOWING USE OF SERUM.	RESULT.	REMARKS.
1	2000	Temperature on day of injection between 101-102, remaining same for 24 hours, then went down to 101, next day to 100.5, then to 100, remaining for 2 days the same, then to 99. The membrane of the palate and pharynx melted like butter in the first 24 hours after the injection and cleared up, whereas the necrotic membrane on the tonsils remained for 4 days more, and everything cleared up on the 6th day.....	Recovery.	This was one of the worst cases I have seen for a long time, and I was greatly pleased at the good work of the antitoxin.
2	4000	Lessening of croupy symptoms and general improvement beyond expectations..	Recovery.	
2	2400	General improvement. Temperature fell about 3 degrees. Appetite improved; membrane loosened and did not reappear to any great extent. After 36 hours the tonsils were free from all membrane. Very satisfactory.....	Recovery.	
1	1000	In 20 hours extension of the membrane to left tonsil and to borders of velum-palati. Pulse and temperature unchanged (pulse 120, rectal temperature 102). Following day membrane disappeared from right side; pulse 96, temperature 100.5; and on the next day no membrane and no fever.....	Recovery.	
2	3500	General improvement in local and constitutional symptoms.....	Recovery.	
1	2000	Steady improvement from the very first..	Recovery.	
2	3500	General health improved and membrane began to disappear, with recovery on 10th day.....	Recovery.	

CLINICAL REPORT OF CASE No. 24.

DIPHTHERIA

TREATED WITH ANTI-DIPHTHERITIC SERUM FURNISHED GRATUITOUSLY BY THE SAN FRANCISCO HEALTH DEPARTMENT.

Reported by Dr. L. Pawlicki.

H. F., aged six and a half years, complained of sore throat three days before I was called in to treat him.

December 22nd, 1897—I found both tonsils swollen and covered with thin white membrane; suspicious discharge from the right nostril and feverish. Temperature, 100 2-5; pulse, 112. The case was at once reported to the Health Officer, and bacteriological examination of the tonsilar swab made by Dr. Spencer, which proved to show diphtheria bacilli. The quarantine of the house was instituted. At noon of the same day, injection of 1,500 units of Mulford's Antitoxin was given; spraying the throat and both nostrils with the solution of Peroxide of Hydrogen was ordered.

December 23rd, 1897—Morning temperature, 99 1-5. Both diphtheritic patches on the tonsils are shrinking and loose. Discharge from the nostril still continues. Second injection of Mulford's Antitoxin, 1,500 units.

December 24th, 1897—Morning temperature, 99 3-5. The membranes on the tonsils both disappeared entirely. Discharge still continues from the nostril. Third injection of 1,800 units of Mulford's Antitoxin. The evening temperature having increased to 100 2-5, a fourth injection of 2,000 units of Mulford's Antitoxin was given.

December 25th, 1897—Morning temperature, 99 3-5. Discharge from nose considerably less; the throat looks well.

R. Tinct. Ferri Muriatica, gtt. X, every two hours.

DATE.	TEMPERATURE.	SYMPTOMS.
1897—December 26.....	99 1-5	.....
December 27.....	98 4-5	Discharge from nose very slight.
December 28.....	99 2-5	.....
December 30.....	98 3-5	No discharge from the nose.
December 31.....	98 3-5	.....
1898—January 1.....	99	.....
January 2.....	100 1-5	R. Quinine Sulph. gr. XII a day.
January 3.....	99 2-5	Continue quinine.
January 4.....	99	.....
January 5.....	98 3-5	Urine normal.
January 6.....	99 1-5	.....
January 7.....	98 3-5	.....
January 8.....	99	.....
January 9.....	99 2-5	.....
January 10.....	99 2-5	.....
January 11.....	98 4-5	.....
January 12.....	98 3-5	.....
January 13.....	99 2-5	Pulse 100; R. Quin. Sulph. gr. XV a day.
January 14.....	99 2-5	Afternoon, 100 3-5; evening, 99 3-5.
January 15.....	99 2-5	Second bacteriological examination of the nasal discharge revealed no diphtheritic bacilli.
January 16.....	99 2-5	Continue Quin. Sulph.
January 17.....	99 3-5	House fumigated.
January 20.....	.....	As the patient is playful, tongue clean, appetite good, sleeps well, and seemingly feels comfortable and strong, he was allowed to get up.
January 21.....	99 4-5	Pulse, 100. After being up all day yesterday, he feels well, notwithstanding abnormal temperature and pulse depending in no way upon diphtheritic poison in the system.

CLINICAL REPORT OF CASE No. 38.

DIPHTHERIA

TREATED WITH ANTI-DIPHTHERITIC SERUM FURNISHED GRATUITOUSLY BY THE SAN FRANCISCO HEALTH DEPARTMNET.

Reported by Dr. Edward Storror.

F. H., aged three years six months, complained of sore throat Thursday evening, January 6th, 1898, and I saw him Friday morning.

Both tonsils were tumefied and a few follicles had the characteristic exudate. The surfaces were well swabbed off with pure oxygen peroxide, and 10-drop doses of tincture of iron in glycerine were given every six hours. The child was unable to gargle, and the spraying of the throat was ineffectual, so the swab was used as the most efficient. Temperature, 102; pulse, 130.

Saturday morning, I found that he had passed a restless night, had taken no nourishment during the last twenty-four hours, had passed water but no action of the bowels. Temperature, 102; pulse, 130. Exudate somewhat more abundant, the rounded spots running into patches. The iron to be continued four times during the twenty-four hours, and $\frac{1}{8}$ gr. Calomel and $\frac{1}{8}$ gr. Ipecac given for three doses. Milk and broth as nourishment.

Sunday morning, I found the exudate somewhat more profuse, the child fretful, no tumefaction of the parotid or sub-maxillary glands. Bowels had moved twice; refused all nourishment, but had taken a little water. Temperature, 100; pulse, 120. Hot water compresses to the throat and continue the iron and local applications.

Monday morning, the exudate covered both tonsils, the anterior and posterior surfaces of the uvula, the left arch of the return and upon the pharyngeal wall. A very foetid odor of the breath. Respiration, 30, and noisy. Temperature, 99; pulse, 100. Fearing Klebs' Loeffler

bacilli, I removed a piece of the membrane and submitted it to the Board of Health's Bacteriologist for examination. Many of the symptoms of diphtheria being present, and fearing to wait until I received the microscopic report, I procured some Antitoxin from the Board of Health and administered 500 units. The treatment of iron and applications to the throat to be continued. No reaction followed the administration of the Antitoxin; but there was a suppression of urine for twelve hours. This function was reestablished by a hot-water bath.

Tuesday morning the temperature was 97 3-5, pulse 100. Slept restlessly during the night. Drank water occasionally, but would take no nourishment of any kind. The breath had lost its bad odor, but the membrane was as extensive as on the day before. The child, aside from being fretful and peevish, was clear-minded; no vestige of coma; could be coaxed to have local applications made, and was generally tractable, excepting that he would take no nourishment but a very little milk. Whiskey and milk he always vomited.

The report from the Bacteriologist said nothing present in the specimen of membrane but the non-pathogenic Staphylococci.

Wednesday the child was better; had taken a little milk; slept more naturally. Temperature, 98; pulse, 100.

Thursday the exudate was disappearing, the swelling of the tonsils was subsiding, the odor quite gone. The bowels had moved, water had been passed four times during the twenty-four hours. There was a great disinclination to take nourishment. Temperature, 97; pulse, 100.

Friday, the membraneous exudate had quite disappeared, the tumefaction of the tonsils had gone, and, aside from a deeper red, the throat looked well. Temperature, 97; pulse, 100. Aside from being fretful, the child was clear-minded and convalescent.

At 2 a. m. on Saturday morning his mother asked him, when he awaked, if he would have a drink. He said, "No," turned over and died.

CONTAGIOUS DISEASES.

At this point in my report it might be of interest to call your attention to the accompanying comparative statement of reported cases and deaths from Diphtheria, Measles, Scarlet Fever and Typhoid Fever for year just ended.

COMPARATIVE STATEMENT OF REPORTED CASES OF AND DEATHS FROM DIPHTHERIA, MEASLES, SCARLET FEVER AND TYPHOID FEVER.

DISEASES.	Total.....	1897.						1898.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Diphtheria—													
Cases reported.....	736	15	23	41	39	86	61	63	37	59	123	112	77
Deaths.....	154	5	8	11	14	14	8	23	11	12	24	19	5
Measles—													
Cases reported.....	11	....	....	7	....	1	2	....	....	....	1	....	....
Deaths.....	1	....	....	....	....	....	....	....	....	....	....	1	....
Scarlet Fever—													
Cases reported.....	108	8	8	12	7	4	14	27	5	7	9	4	3
Deaths.....	9	....	1	2	....	....	....	3	1	....	1	1	....
Typhoid Fever—													
Cases reported.....	76	4	13	3	9	16	7	5	....	3	8	1	7
Deaths.....	57	3	5	4	7	5	4	7	3	6	2	8	3

DEPARTMENTS.

The City and County Almshouse, under the management of the present Superintendent, gives very satisfactory evidence during the past fiscal year of the work that has been accomplished. Many improvements have been made, amongst which might be mentioned a well-equipped laundry, morgue, new sanitary latrines, etc., etc. The best proof of successful administration in this department is evidenced by the happy content of the poor of our City and County resident within its boundaries.

The City and County Hospital, under the management of the present Superintendent Physician, has been extremely satisfactory. and this is the more surprising when we stop to consider the many disadvantages under which the executive officer is working. The buildings are old and unsanitary, inadequate for the proper housing of the sick poor, particularly in the winter months; the appropriation is small, and the power of the Superintendent Physician is limited as regards expenditures. In spite of all these drawbacks, there is very little room for criticism.

The reports of other departments and Inspectors, elaborations of which may be found further on in this volume, are summarized as follows:

Health Inspectors—	
Nuisances abated during the year.....	2,068
Plumbing Inspectors—	
Nuisances abated during the year.... ..	2,724
Milk Inspectors—	
Wagons inspected.....	70,537
Milk inspected, (gals.).....	3,401,149
Laundry Inspector—	
Total inspections.....	1,750
Market Inspectors—	
Total inspections.....	9,541

Cigar Factory Inspector—

Total inspections..... 757

Bakery Inspector—

Total inspections..... 1,366

Chemical Laboratory—

Total number of analyses..... 562

Bacteriological Laboratory—

Total examinations..... 955

Another subject of moment that I desire to call to your particular attention is the inadequate force of both Market and Plumbing Inspectors. Considering the vast area of this peninsula, and the wide distribution of the various markets throughout the city, as also the concentration of the slaughtering interests at Butchertown, where all meats are prepared for consumption, it is safe to assume that in order to properly supervise and inspect this branch of the Department the force should be doubled. This would insure results that would prove in every way beneficial and satisfactory. Furthermore, regulations regarding the hours of slaughtering might be of service both to butchers and the public at large; it certainly would facilitate thorough inspection on the part of the Inspectors in this Department. The matter might be amicably adjusted by consulting with the wholesale dealers of this city.

While speaking on this subject, it might be well to recall the matter of the United States tuberculin test on cattle, which occupied so much of our time a few months ago, and which, during its application, was of such value in raising the standard of milk, and certainly checking in some degree that great scourge of humanity, Tuberculosis. Lack of funds and the opposition of some of the dairymen compelled us to discontinue this crusade. It is to be hoped that in the coming fiscal year both obstructions will be removed—i. e., that the Supervisors in their generosity will furnish us with the necessary funds, and that the milk producers of our

State will aid us in our efforts gradually to eliminate from their herds diseased cattle.

That the force of Plumbing Inspectors in this Department is inadequate is most emphatically emphasized by the vast number of complaints which are referred to this class of Inspectors. Particularly so has this been the case since the adoption by the Board of Supervisors of the late Plumbing Ordinance. Unfortunately though it be, it is nevertheless a fact that the plumbing systems in the various business houses and residences of this city are extremely bad, are extremely unsanitary, and that great numbers of cases of disease can be directly traced to the unhygienic surroundings in which the people have been forced to live on account of lax laws in regard to matters of this kind.

While the Health Department has been unsuccessful in its efforts to secure a new City and County Hospital and a new Hospital for Contagious Diseases, let it go on record that we are not discouraged, but will as diligently exert all our efforts in the future, as we have in the past, eventually to attain that end, feeling as we do that both the present institutions are a blot on the fame of our fair city.

In conclusion, I might suggest to your Honorable Board that I fear a marked increase in the death rate of this City and County for the coming year, basing my opinion on the fact that during and after the month of May a vast number of United States troops will have been encamped within our limits, and the change of climate, life and surroundings will of necessity result in many deaths amongst the soldiers.

Your attention is directed to the accompanying Financial Statement of the Department, and the Statement of Transcripts and Fees, for the past fiscal year.

Respectfully submitted,

A. P. O'BRIEN, M. D.

Health Officer.

FINANCIAL STATEMENT—HEALTH DEPARTMENT

HEALTH OFFICE—	TOTAL.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.
Salaries	$61,073 83	$5,315 00	$5,165 00	$5,398 35	$5,202 02
Expenses—					
Printing	2,884 63	69 50	140 00	119 50	124 50
Stationery	709 94	42 46	17 35	32 66	24 05
Telephones	573 45	.....	47 50	46 70	45 00
Postage	530 00	40 00	40 00	40 00	40 00
Transportation	2,172 25	155 00	165 00	165 00	140 00
Vaccine and fumigation	886 50	45 00	137 70	49 50	51 50
Investigation	273 70	273 70	.....	.....	.....
Tuberculin tests	499 40	.....	65 10	.....	50 00
Incidentals	1,587 96	54 85	42 70	43 15	20 57
Quarantine expenses	186 55	.....	.....	.....	.....
Bureau of Food Inspection	2,199 85	203 75	426 30	166 96	218 07
Chemist's Department	537 45	24 19	74 04	25 57	29 00
Bacteriologist's Department	1,026 63	94	25 65	5 45	64 70
Ambulance Stations	3,463 86	120 83	229 83	167 97	109 92
Total expenses	$17,532 17	$1,030 22	$1,411 17	$862 46	$917 30
Grand totals	$78,606 00	$6,345 22	$6,576 17	$6,260 81	$6,119 33
CITY AND COUNTY HOSPITAL—					
Salaries	$33,077 15	$2,662 50	$2,618 50	$2,819 90	$2,866 15
Expenses	58,260 05	4,948 17	4,630 75	4,951 90	4,542 51
Totals	$91,337 20	$7,610 67	$7,399 25	$7,771 75	$7,408 66

FOR THE FISCAL YEAR ENDING JUNE 30th, 1898.

NOVEMBER.	DECEMBER.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.
$4,115 00	$4,235 00	$4,235 00	$5,076 66	$5,443 05	$5,585 00	$5,675 00	$5,628 75
91 50	139 25	190 50	159 00	163 25	161 75	1,256 38	369 50
51 76	51 93	43 93	22 11	37 54	92 19	22 00	271 96
58 35	37 50	37 50	37 50	52 41	88 94	65 50	56 55
40 00	40 00	40 00	40 00	40 00	40 00	40 00	90 00
185 00	174 00	175 00	238 25	185 00	187 50	200 00	202 50
63 00	100 85	79 65	36 00	27 00	36 00	137 60	122 70
.....	.....	.....	.....	.....	.....	.....	.....
135 05	.....	50 00	25 00	.....	50 00	25 00	99 25
35 60	56 85	67 35	40 85	136 70	206 20	115 45	767 69
.....	.....	.....	.....	.....	.....	78 75	107 80
374 19	104 25	78 00	103 70	73 76	116 00	62 80	272 07
35 76	39 85	34 89	101 55	100 11	29 25	16 18	27 06
33 65	251 98	105 50	360 31	55 10	51 70	7 15	64 50
197 12	357 55	203 71	235 30	125 58	314 88	246 22	1,154 95
$1,300 98	$1,354 01	$1,106 03	$1,399 57	$996 45	$1,374 41	$2,273 03	$3,506 53
$5,415 98	$5,589 01	$5,341 03	$6,476 23	$6,439 50	$6,959 41	$7,948 03	$9,135 28
$2,786 50	$2,750 00	$2,738 55	$2,754 50	$2,786 15	$2,753 45	$2,771 70	$2,769 25
3,877 02	4,535 93	4,519 81	4,987 91	5,412 38	5,872 94	4,786 50	5,194 23
$6,663 52	$7,285 93	$7,258 36	$7,742 46	$8,198 53	$8,626 39	$7,558 20	$7,963 48

FINANCIAL STATEMENT—HEALTH DEPARTMENT

	TOTAL.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.
CITY AND COUNTY ALMS-HOUSE—					
Salaries	$20,240 00	$1,675 00	$1,685 00	$1,685 00	$1,685 00
Expenses	56,616 49	4,915 83	5,051 13	4,529 61	4,189 38
Totals	$76,856 49	$6,590 83	$6,736 13	$6,224 61	$5,874 38
CITY RECEIVING HOSPITAL—					
Salaries	$7,980 00	$665 00	$665 00	$665 00	$665 00
Expenses	2,476 00	227 36	180 95	160 30	325 60
Totals	$10,456 00	892 36	$845 95	$825 30	$990 60
TWENTY-SIXTH STREET HOSPITAL—					
Salaries	$2,660 00	$185 00	$225 00	$225 00	$225 00
Expenses	851 67	40 00	7 50	28 50	176 41
Totals	$3,511 67	$225 00	$232 50	$253 50	$401 41
QUARANTINE DEPARTMENT—					
Salaries	$5,940 00	$495 00	$495 00	$495 00	$495 00
Expenses	2,055 08	157 38	138 66	128 50	38 50
Totals	$7,995 08	$652 38	$633 66	$623 50	$533 50
CITY PHYSICIANS' SALARIES.	$3,000 00	$250 00	$250 00	$250 00	$250 00
DISINTERMENT INSPECTORS' SALARIES	2,361 37	200 00	200 00	200 00	200 00
SUPT. CITY CEMETERY SALARY	900 00	75 00	75 00	75 00	75 00

FOR THE FISCAL YEAR ENDING JUNE 30th, 1898.

NOVEMBER.	DECEMBER.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.
$1,685 00	$1,685 00	$1,700 00	$1,700 00	$1,685 00	$1,685 00	$1,685 00	$1,685 00
5,244 27	4,624 64	4,784 53	4,747 78	4,769 40	4,765 16	4,636 17	4,358 59
$6,929 27	$6,309 64	$6,484 53	$6,447 78	$6,454 40	$6,450 16	$6,321 17	$6,043 59
$665 00	$665 00	$665 00	$665 00	$665 00	$665 00	$665 00	$665 00
223 16	111 10	260 95	237 20	320 67	108 43	186 57	133 71
$888 16	$776 10	$925 95	$902 20	$985 67	$773 43	$851 57	$798 71
$225 00	$225 00	$225 00	$225 00	$225 00	$225 00	$225 00	$225 00
126 75	7 50	98 2	56 45	125 22	102 55	15 63	66 91
$351 75	$232 50	$323 25	$281 45	$350 22	$327 55	$240 63	$291 91
$495 00	$495 00	$495 00	$495 00	$495 00	$495 00	$495 00	$495 00
236 72	126 10	132 80	103 50	139 05	635 47	90 50	127 90
$731 72	$621 10	$627 80	$598 50	$634 05	$1,130 47	$585 50	$622 90
$250 00	$250 00	$250 00	$250 00	$250 00	$250 00	$250 00	$250 00
200 00	200 00	200 00	200 00	200 00	200 00	161 37	200 00
75 00	75 00	75 00	75 00	75 00	75 00	75 00	75 00

STATEMENT OF TRANSCRIPTS AND PERMITS

DURING THE FISCAL YEAR

	TOTAL.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.	
	Number issued	Fees	Number issued	Fees	Number issued	Fees	Number issued	Fees	Number issued	Fees
*Certified copies of birth	46	$57 00	4	$6 00	8	$12 00	....	.....	....	.....
*Certified copies of death	263	318 00	26	31 50	17	21 00	17	$19 50	19	$19 50
Disinterment permits	855	5,420 00	211	1,940 00	131	1,130 00	32	50 00	86	630 00
**Plumbers' licenses	256	241 00	137	137 00	38	38 00	38	38 00	10	10 00
**Plumbers' permits	971	231 00	82	41 00	91	45 50	93	46 50	69	34 50
Milk permits	161	.....	18	.....	9	.....	19	.....	28	.....
Cigar factory permits	183	.....	....	.....	....	.....	....	.....	....	.....
Excavator wagon permits	24	.....	2	.....	2	.....	2	.....	2	.....
Laundry permits	239	.....	40	.....	23	.....	21	.....	17	.....
Totals	2998	$6,267 00	520	$2,155 50	319	$1,246 50	222	$154 00	231	$694 00

*No charge made to widows of deceased soldiers and sailors, nor to Consuls of foreign governments.

**Plumbers' Fee law abolished in January, 1898.

ISSUED AND FEES COLLECTED

ENDING JUNE 30, 1898.

NOVEMBER.		DECEMBER.		JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....	Number issued.....	Fees.....
7	$10 50	3	$4 50	....	.....	....	.....	18	$15 00	2	$3 00	1	$1 50	3	$4 50
28	36 00	18	21 00	21	$24 00	21	$24 00	25	31 50	18	27 00	28	34 50	25	28 50
149	1,090 00	15	20 00	29	30 00	15	20 00	33	60 00	72	340 00	33	20 00	43	90 00
9	9 00	5	5 00	4	4 00	4	.....	1	.....	4	.....	4	.....	2	.....
49	24 50	48	24 00	30	15 00	37	.....	111	.....	110	.....	126	.....	125	.....
7	.....	11	.....	8	.....	11	.....	18	.....	13	.....	6	.....	13	.....
....	.....	....	.....	....	.....	47	.....	48	.....	42	.....	28	.....	18	.....
2	.....	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
2	.....	....	.....	68	.....	39	.....	16	.....	5	.....	....	.....	8	.....
253	$1,170 00	102	$74 50	162	$73 00	176	$44 00	278	$106 50	268	$370 00	228	$56 00	239	$123 00

METEOROLOGICAL

TAKEN AT THE WEATHER BUREAU STATION, SAN FRANCISCO,

MONTHS.	*BAROMETER.			TEMPERATURE.			Average Dew Point.
	Highest.	Lowest.	Monthly Average.	Maximum.	Minimum.	Monthly Average.	
1897.							
July	30.105	29.816	29.954	82	47	58.2	50.8
August	30.128	29.846	29.969	70	49	57.6	53.0
September	30.128	29.789	29.998	92	50	60.8	52.4
October	30.213	29.765	30.033	85	48	58.4	48.7
November	30.348	29.906	30.158	68	44	53.1	44.8
December	30.499	29.832	30.220	63	39	50.7	41.2
1898.							
January	30.373	29.871	30.166	59	36	46.7	37.6
February	30.367	29.677	30.120	70	43	52.6	46.2
March	30.464	29 746	30.077	74	40	51.2	40.5
April	30.302	29.577	30.046	87	44	54.4	45.0
May	30.152	29.649	29.988	63	46	52.6	46.8
June	30.180	29.766	29.954	89	49	59.0	50.3
Sums	373.239	357.240	260.683	902	535	655.3	557.3
Means	30.270	29.770	30.057	75	45	54.6	46.4

Kindly furnished by W. H. HAMMON, Local Forecast Official, in Charge

*Barometer corrected for temperature and elevation above sea level (153 feet).

OBSERVATIONS

CAL., DURING THE YEAR ENDING JUNE 30, 1898.

RELATIVE HUMIDITY—PER CENT.			WINDS.			CLOUDINESS.	RAIN.
Highest.	Lowest.	Monthly Average.	Prevailing Direction.	Maximum Hourly Vel., Miles	Average Hourly Vel., Miles	Monthly Average.	Inches.
100	54	84.4	W.....	39	14.3	3.0	.00
100	55	90	W.....	36	14.1	4.6	.00
100	30	81.4	W.....	37	11.8	3.7	.10
100	26	77.0	W.....	37	9.7	3.1	1.70
100	40	78.5	W.....	29	7.4	5.6	1.05
100	41	68.5	N.....	34	6.7	4.5	1.22
100	32	72.1	N.....	32	7.5	5.6	1.12
100	45	81.8	W.....	36	8.3	5.2	2.13
100	21	72.0	W.....	40	10.4	4.3	0.24
100	17	77.7	S.W.....	42	12.3	4.1	0.19
100	62	84.3	S.W.....	36	13.3	5.9	1.44
100	20	79.7	S.W.....	40	13.1	3.7	0.19
1,200	443	947.4	W.....	438	128.9	53.2	9.38
100	37	78.9	W.....	36	10.7	4.4	0.78

United States Weather Bureau, San Francisco, Cal.

REPORT OF QUARANTINE OFFICER.

San Francisco, July 1, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor to submit the following report for the fiscal year ending June 30th, 1898:

MONTHS.	NUMBER OF VESSELS	DUES.	RECEIPTS.	BALANCE DUE CITY.
1897—July	45	$312 50	$135 00	$177 50
August	51	332 50	370 00	.....
September	50	320 00	77 50	242 50
October	47	312 50	147 50	165 00
November	43	310 00	.....	310 00
December	42	307 50	225 00	82 50
1898—January	38	255 00	305 00	.....
February	52	340 00	165 00	175 00
March	35	210 00		
April	45	267 50	340 00	490 00
May	59	352 50		
June	61	410 00	.....	410 00
	568	$3,730 00	$1,765 00	$2,052 50

SHIPS QUARANTINED FROM JULY 1 TO JUNE 30, 1898.

DATE.	VESSEL.	OWNER.	RELEASED.
1897.			
July 2.....	Am. Stmr. Acapulco...	P. M. S. S. Co.....	Released July 3rd.
July 4.....	Am. Stmr. San Jose...	P. M. S. S. Co.....	Released July 5th.
July 10.....	Am. Stmr. City of Syd-Sydney.....	P. M. S. S. Co.....	Released July 12th.
July 10.....	Am. Stmr. San Juan..	P. M. S. S. Co.....	Released, no date.
July 15.....	Br Ship Annie Maud..	Meyer, Wilson & Co...	Released July 19th.
July 20.....	Am. Stmr. Colon.....	P. M. S. S. Co.....	Released July 21st.
July 28.....	Am. Stmr. Newport...	P. M. S. S. Co.....	Released July 29th.
Aug. 8.....	Am. Stmr. City of Para.....	P. M. S. S. Co.....	Released Aug. 10th.
Aug. 14.....	Br. Ship Toxteth.....	J. D. Spreckels & Bros. Co.....	Released Aug. 16th.
Nov. 20.....	Nor. Bark Imperator..	W. Freese & Co.....	Released Nov. 25th.
1898.			
Feb. 27.....	Br. Stmr. Doric.....	O. &. O. S. S. Co.....	Released Feb. 29th.
March 22.....	Br. Stmr. Belgic.....	O. &. O. S. S. Co.....	Released, no date.
April 18.....	Br. Stmr. Venus.....	O. &. O. S. S. Co.....	Released April 22d.
April 25.....	Br. Ship Glenard.....	Cutter & Mosley.....	Released April 25th.
June 7.....	Br. Stmr. Belgic.....	O. &. O. S. S. Co.....	Released June 7th.
June 18.....	Br. Stmr. Newport....	P. M. S. S. Co.....	Released, no date.

EXPENSE OF QUARANTINE DEPARTMENT.

MONTHS.	Salaries.....	Rent.....	Reporting Vessels....	Telephone...	Water.....	Work and Materials..	Printing and Stationery.	Totals.....
1897—July.....	$495 00	$40 00	$20 00	$22 50	$8 00	$54 28	.....	$639 28
August.....	495 00	40 00	20 00	22 50	8 00	48 16	.....	633 66
September.....	495 00	40 00	20 00	22 50	8 00	38 00	.....	623 50
October.....	495 00	40 00	20 00	22 50	8 00	8 00	$12 00	605 50
November.....	495 00	40 00	20 00	22 50	8 00	22 22	72 00	679 72
December.....	495 00	40 00	20 00	22 50	8 00	35 60	.....	621 10
1898—January.....	495 00	40 00	20 00	22 50	8 00	62 80	11 50	659 80
February.....	495 00	40 00	20 00	22 50	8 00	.....	.....	585 50
March.....	495 00	40 00	20 00	22 50	8 00	51 55	.....	637 05
April.....	495 00	40 00	20 00	22 50	8 00	512 17	25 00	1,122 67
May.....	495 00	40 00	20 00	22 50	8 00	.....	.....	585 50
June.....	495 00	40 00	20 00	22 50	8 00	20 00	9 00	614 50
	$5,940 00	$480 00	$240 00	$270 00	$96 00	$852 00	$129 50	$8,008 28

This department, in making its annual report, desires to call attention to the attempted usurpation of the powers of the State of California relative to Quarantine, as set forth in the Political Code of the State of California, Sections 3009 to 3032, by the Marine Hospital Service of the United States and given support by the Secretary of Treasury at Washington, D. C.

After much inquiry personally conducted in Washington, D. C., and at this port, I find that the assistance of the Secretary of Treasury was obtained by misrepresentation on the part of M. J. Roseneau, M. D., in charge of the United States Quarantine Station at Angel Island.

On information and belief, I am further convinced that a secret system of reporting Quarantine matters at this port has been conducted between M. J. Roseneau, M. D., and Walter Wyman, M. D., of the Marine Hospital Service, stationed at Washington, D. C., where certain charges against the State Quarantine Officer were maliciously invented and given as facts to the Federal authorities at Washington, to influence what authority they may possess in furthering the interest of the Marine Hospital Service and against the State.

I am still further convinced that the Marine Hospital Service at this port has attempted to influence the press of San Francisco in its object to insult your legally appointed officer and the laws of the State of California.

The reason for the alleged conduct of the Marine Hospital Service is the result of a preconcerted action on the part of the service, emanating in Surgeon-General Wyman, to gain control of Quarantine throughout the United States, both land and sea.

The Surgeon-General of the Marine Hospital Service bases his action on personal grounds and influence, and attempts to construe the Congressional Act of February, 1893, as granting him absolute power, where such Act specifically states that there shall be aid and co-operation.

This false construction by Surgeon-General Wyman has

involved this department in many legal complications, which at present are pending in the courts, has interfered with the commercial interests of this port, and has deprived the General Fund of the City and County of San Francisco's treasury of money due under Section 3020 of Political Code.

A brief review of the actions of M. J. Roseneau, M. D., who poses as the Federal Quarantine Officer, will show the autocratic position he assumes.

1st. A positive refusal on his part to recognize the authority or deliberations of the Board of Health of San Francisco. Explanatory of this charge I refer to a resolution of the Board of Health which declared Hongkong, Hiogo, Shanghai and Nagasaki infected ports, and where all Oriental steerage passengers and mails, arriving from above ports, be removed to the Quarantine station for fumigation. The pseudo-Quarantine Officer refused to accept the mail, giving as a reason his individual opinion, against that of the Board of Health and Quarantine Officer, that it was unnecessary.

2nd. Taking suspected cases from the Pacific Mail S. S. Co.'s dock, after the vessel had entered the Custom House, and was annexed to the State wharf and contiguous to municipal property.

3rd. Refusing to permit the local authorities to hold an autopsy on a suspected case arriving on the steamship San Juan, July 11th, 1897. In this instance he declared that he had not the necessary instruments to hold a post mortem, and when the Quarantine Officer left the vessel to obtain the necessary instruments ashore, he illegally ordered the vessel to Angel Island Quarantine Station, where a hurried post mortem was held, and the body disposed of immediately, as I believe, to conceal any information that the local authorities required, and to which legally they were entitled.

4th. Unnecessarily detaining vessels by a neglect of attention, and in many cases ordering vessels to the Angel

Island Quarantine Station for fumigation, where such detention and fumigation were medically considered absolutely unnecessary and unwarranted.

5th. Insulting the State laws, which require an inspection by the State Quarantine Officer within certain defined limits, by telling the masters to pay no attention to the State Quarantine Officer's order to proceed beyond the Quarantine limit.

6th. Sealing the bills of health, which the State law requires to be inspected by the State Quarantine Officer.

7th. Maliciously and intentionally violating the confidence and deliberations of a consultation with the San Francisco Board of Health solicited by himself.

8th. Urging and influencing the Custom authorities to cause the arrest of the State Quarantine Officer while in the legal discharge of his duties. While this presumptuous authority has not caused any arrest, it has added to the spiteful indignations cast upon the laws of the State of California and her Executive Officer, and has attempted to ridicule the good intention of the State in preserving her citizens from disease, and while the legal value of such an order is confined to the mythical Wyman-Roseneau code, with its would-be penalty, your Officer has earnestly worked to carry out the intention of the State—that is, the protection of its citizens.

To the above I desire to add that I am in possession of numerous complaints, entered in this department, of the destruction of property by fumigation, belonging to those detained at the Angel Island Quarantine Station. I have personally witnessed the property of quarantined passengers, which had been destroyed by fumigation, comprising clothing, shoes, bric-a-brac, etc., by the incompetency of those in charge, and the crude and unscientific machinery used to fumigate.

Respectfully submitted,

WM. P. CHALMERS, M. D.,
Quarantine Officer.

REPORT OF THE CHEMIST.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor to submit herewith the report of the work accomplished in your Chemical Department during the fiscal year 1897-98.

The work embraces mainly the analyses of foods and the investigations necessary to establish the extent of adulteration thereof. Several special investigations vital to the health of the community have been carried out and are given in this report.

In all, 562 separate samples have been analyzed during the year, the substances analyzed being the more common articles of food, such as one purchases on the open market, and might be called, generally speaking, prepared foods.

When it is considered that this department has been handicapped in many ways by the lack of space in which to work, and a thorough equipment of apparatus which is absolutely requisite for some investigations, and the constant need it has had of more men qualified to carry out investigations, it will be appreciated that no small amount of work has been done.

Crowded and hampered as it has been, it is evident that a wholesome good has been accomplished by the department in the regulation of and stopping to a considerable extent the sale of adulterated food.

In order to place before your honorable body the most imperative needs of this department, I beg to make the following suggestions:

The Chemical Laboratory should be enlarged or given a new room which is well lighted and from which the noxious gases could be easily excluded.

It should have a better equipment of technical apparatus.

This equipment should include all the conveniences of a modern laboratory, such as water, gas and electric connec-

tions, and more suitable work benches that we at present have.

The increasing of the equipment already on hand, according to the suggestions offered above, would render this department one of the most efficient of its kind in the United States, and great good could be expected from it in checking the alarming and ever-present adulteration of food.

In conclusion, I would say, while I have been associated with Prof. W. T. Wenzell, the official Chemist, as Assistant Chemist during the life of the Laboratory, and have performed most of the chemical work, it has been done entirely under his direction and by his methods. Consequently the credit for the success of the Chemical Department is largely due to him.

ANALYSES OF CATSUP.

Of four samples of tomato catsup submitted and analyzed, only one was found to be up to the official standard for catsup—namely: Total solids, 20 per cent.; no foreign coloring matter, and not more than four ounces of salicylic acid for 60 gallons.

In connection with the adoption of a standard for catsup by your Honorable Board, the question as to the amount of salicylic acid that might be permitted therein was investigated. The report that was rendered at that time is given below.

THE ACTION OF SALICYLIC ACID UPON THE DIGESTIVE PROCESS.

That salicylic acid retards fermentative processes outside of the living organisms is a fact well established. It is, therefore, not unreasonable to suppose that a similar effect would follow when this agent is introduced into the stomach, thereby impairing to some extent the proteolytic action of the gastric juice. To this effect should also be added the action of the drug itself upon the animal economy.

In order to determine the question at issue, the following experiments were instituted:

An artificial digestive fluid was prepared, to which the white of an egg, previously boiled and properly comminuted, was added. This mixture was subjected to digestion both with and without salicylic acid.

The solution or liquid was constituted as follows:

100 c. c. of acid solution of 2 per cent HCl.
1 gram of Armour's Pepsin.
1 gram of the coagulated white of egg.

Three flasks were prepared. Number 1 having no salicylic acid; number 2, .05 grams of salicylic acid; number 3, .10 grams salicylic acid.

The flasks were exposed in a thermostat to a temperature of 100 degrees Fahrenheit for five and one-half hours, and were frequently agitated during the digestion. At the expiration of the stated time the digested fluids were passed through weighed filters; the contents of the filters were washed, dried and weighed.

The results of the experiments were as follows:

Filter from the blank experiment No. 1—	
Weight of filter and contents after drying	.2431 grams
Weight of filter	.2427 grams
Undigested residue	.0004 grams
Filter from flask containing .05 grams of salicylic acid No. 2:	
Weight of filter and contents after drying	.2425 grams
Weight of filter	.2372 grams
Undigested residue	.0053 grams
Filter from flask containing .10 grams of salicylic acid No. 3:	
Weight of filter and contents after drying	.2482 grams
Weight of filter	.2394 grams
Undigested residue	.0088 grams

On substracting the amount of undigested albumen of the blank experiment from the albumen residue of the other two experiments, the absolute amounts of undigested albumen in the latter were demonstrated as follows:

.0053 grams — .0004 grams = .0049 grams. Flask No. 2
.0088 grams — .0004 grams = .0084 grams. Flask No. 3

These amounts represent albumen dried at a temperature of 212 degrees Fahr.; the albumen of the egg is composed, in 100 parts, of approximately 15 parts of albumen and 85 parts of water. It is necessary, therefore, to convert the dried albumen into normal white of egg, as follows:

$$\frac{.0049 \times 100}{15} = .0326 \text{ grams of white of egg.}$$

$$\frac{.0084 \times 100}{15} = .0560 \text{ grams of white of egg.}$$

On multiplying these respective amounts by 100, the percentage amounts of the undigested albumen will be obtained as follows:

.0326 x 100 equals 3.26, the percentage amount of undi-

gested albumen from the use of .05 grams of salicylic acid.

.0560 x 100 equals 5.60, the percentage amount of undigested albumen from the use of .10 grams of salicylic acid.

The matter may be considered from another standpoint.

If a digestive fluid will digest 100 parts by weight of coagulated albumen in the absence of salicylic acid, then a liquid of a similar volume containing .05 grams of salicylic acid will digest 96.74 per cent. of the albumen, and a liquid containing .10 grams of salicylic acid will digest 94.40 per cent. of coagulated albumen.

And now we may consider the quantitative relations:

.05 grams = .77 grains.
.10 grams = 1.54 grains.
100 c. c. = about 3 fluid ounces.

Query: How much salicylic acid would a person ordinarily consume during a meal?

If an average of one ounce of catsup (two tablespoonfuls) be consumed, then the amount of salicylic acid would be about .77 divided by 3, or .26 grains of salicylic acid in a catsup containing .05 grams to 100 c.c.

Then, again, if the catsup contains .10 grams salicylic acid to 100 c.c., the amount of salicylic acid consumed in two tablespoonfuls of catsup would be 1.54 divided by 3, or .51 grains of salicylic acid.

These facts I present to your honorable body, from which you can form your opinion if such quantities are prejudicial to human health.

I would, in conclusion, also remark that there is a difference of opinion among manufacturers of tomato catsup as to the amount of salicylic acid necessary for its preservation.

Some manufacturers say four ounces of the acid to sixty gallons of catsup. Others say it should be eight ounces to sixty gallons.

If catsup contains .05 grains to 100 c.c., this amount falls within the limit of four ounces to sixty gallons.

If .10 grams to 100 c.c. are present in the catsup then the ratio will be eight ounces to sixty gallons.

The following tabulated statement shows the itemized analyses:

CATSUP ANALYSES.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	SALICYLIC ACID.	BORAX. (BORACIC ACID).	COLORING.	REMARKS.
4	Royal Club tomato catsup..	.....	Considerable	Considerable.		
145	Tomato catsup.....	.....	.....	.....	.....	Sample not received.
322	Tomato catsup.....	J. H. Claussen, Taylor and Geary.....	2 per cent...	None.....	Aniline	
335	Tomato ketchup.....	.....	None.....	None.....	None..	Pure.
52	Worcestershire sauce.....	Wood & Williams, Pacific Canning Co.....	.....	.....	.....	A fair imitation.
92	Worcestershire sauce.....	City and County Hospital...	.....	.....	.....	Not enough for analysis.

CONDENSED MILK.

In the analyses of products of milk that are intended for use as a substitute for fresh cow's milk, two distinct articles are commonly met with, one sold under the name of *condensed milk*, and the other known by one of two names, *sterilized cream* or *evaporated cream*.

By condensed milk is usually understood cow's milk mixed with cane sugar in certain proportions which has been evaporated to the consistency of a more or less thick syrup.

Sterilized or evaporated cream is defined by the trade as cow's milk which has been evaporated to a creamy consist-

In tabulating the analyses of these products the two classes have been segregated.

Twenty-two samples of condensed milk have been analyzed during the year. Of this total number 15, or 68 per cent., were found to be below the standard adopted by your honorable body for such products.

These samples included thirteen different brands of condensed milk, three of which were Californian products. Each of the California-made brands were below the official standard, while of the remaining ten brands one-half were found to be below the standard.

That condensed milk made in our own State should show a higher proportion of inferior products than that which is of Eastern manufacture is a fact that gives but little credit to our producers.

It will be seen that most of these samples are but slightly below the standard when absolute amounts are considered. This slight difference is undoubtedly caused by indifferent manufacture and could be easily remedied. In some cases, however, as much as 88 per cent. difference is noticed. Such small amounts of butter fat as are shown in numbers 323, 301, 305, 621 and 193 show unmistakably that the samples were made from skim milk. When such articles are sold as condensed milk, and no statement is made to disclose their nature, the act of selling should be considered unlawful.

CONDENSED MILK

No.	DESCRIPTION OF SAMPLE.	BY WHOM MANUFACTURED.	FROM WHOM PURCHASED.
293	Western brand condensed milk.....	American Condensed Milk Co.....	Dodge, Sweeney & Co...
386	.....	.....	.....
412	Western brand condensed milk.....	American Condensed Milk Co.....	A. Shawl.....
333	Western brand condensed milk.....	American Condensed Milk Co.....	Irvine Bros.....
387	.....	.....	.....
401	American brand condensed milk.....	American Condensed Milk Co.....	C. A. Parkin & Co.....
400	American brand condensed milk.....	American Condensed Milk Co.....	P. H. Rulff.....
323	Golden C brand condensed milk.....	American Condensed Milk Co.....	J. A. Claussen.....
301	Golden C brand condensed milk.....	American Condensed Milk Co.....	Hoger Bros.....
305	Golden C brand condensed milk.....	American Condensed Milk Co.....	J. Hurley.....
621	Golden C brand condensed milk.....	American Condensed Milk Co.....	Weinstadt & Hegerherst
622	.....	.....	.....
623	.....	.....	.....
624	.....	.....	.....
627	First Prize brand condensed milk..	.....	W. Steimke.....
630	Magnolia brand condensed milk.....	.....	Grocery and Market.....
632	Champion brand condensed milk...	.....	McCoy & Son.....
635	.....	.....	.....
636	Darling brand condensed milk.....	.....	Crowe & Hutchinson.....
638	.....	.....	.....
644	American brand condensed milk..	American Condensed Milk Co.....	Smith's Cash Store.....
193	Conqueror brand condensed milk...	.....	Lincoln Bros.....

ANALYSES.

ADDRESS.	PER CENT. Water and loss at 100 deg. C.	Milk sugar....	Cane sugar....	Albuminoids...	Butter fat....	Ash.....	REMARKS.
116 Market.....	24.17	14.12	44.75	9.77	5.32	1.87	33.5 per cent. below official standard in butter fat.
.....	26.19	9.97	45.95	7.96	8.70	1.23	Butter fat fully up to official standard.
Devisadero-Bush.....	27.60	15 40	41.90	8.19	5.43	1.48	32.1 per cent. below official standard in butter fat.
1421 Stockton.....	27.75	8.80	46.34	8.60	6.93	1.58	13.4 per cent. below official standard in butter fat.
.....	24.85	10.27	46.24	8 31	8.82	1.51	Butter fat fully up to official standard.
3010 Sixteenth.....	27 03	13.56	44.49	8.35	4.77	1.80	40.4 per cent. below official standard in butter fat.
601 Hayes.....	27.82	13.29	42.58	9.71	4.74	1.86	40.7 per cent. below official standard in butter fat.
Taylor-Geary.....	19.83	16.14	49.89	11.11	.93	2.10	88.3 per cent. below official standard in butter fat.
Turk-Hyde.....	26.28	19.37	38 36	12.51	1.16	2.32	85.5 per cent. below official standard in butter fat.
Hayes-Webster.....	26.97	16.14	42.32	10.93	1.39	2.25	82 6 per cent. below official standard in butter fat.
Bush-Pierce.....	25.54	18.83	40.52	11.01	1.79	2.31	77.0 per cent. below official standard in butter fat.
.....	23.63	14 12	43.33	9.10	7.99	1.83	Official standard.
.....	20.67	15.40	42.96	9.53	9.30	2.14	Butter fat fully up to official standard.
.....	28.10	12.21	40.44	9.01	8.41	1.83	Butter fat fully up to official standard.
Oak-Devisadero.....	26.19	16.95	37.06	10.76	7.41	1.63	7.0 per cent. below official standard in butter fat.
1415 Stockton.....	27.30	15.40	39.08	10.50	5.88	1.84	26.0 per cent. below official standard in butter fat.
154-58 Ninth.....	27.98	13.03	37.14	12 37	7.62	1.86	4.7 per cent. below official standard in butter fat.
.....	23.96	14.73	39.10	11.20	9.01	2.00	Butter fat fully up to official standard.
249 Third.....	28.85	13.56	39.51	8.75	7.50	1.83	6.2 per cent. below official standard in butter fat.
.....	25.78	12.79	38.82	12.33	8.59	1.69	Butter fat fully up to official standard.
27 Market.....	26.52	14.73	42.42	7.70	7.05	1.58	12.0 per cent. below official standard in butter fat.
222 Sixth.....	.....	.....	.....	.....	1.10	....	86.2 per cent. below official standard in butter fat.

STERILIZEI

During the year eleven samples of sterilized or evaporated cre
eight brands, two of which were California-made goods. Of the ei
brand of California manufacture was below the standard, while o
In connection with this subject some comment on the use of the te

STERILIZED OR EVAPORA

No.	DESCRIPTION OF SAMPLE.	BY WHOM MANUFACTURED.	FROM WHOM PURCHASED.
358	"99" brand evaporated cream.....	American Condensed Milk Co.....	Smith's Cash Store...
385	"99" brand evaporated cream.....	American Condensed Milk Co.....	American Condensed Milk Co.....
384	"99" brand evaporated cream.....	American Condensed Milk Co.....	American Condensed Milk Co.....
629	"99" brand evaporated cream.....	American Condensed Milk Co.....	C. A. Parkins.....
625	Lily brand sterilized cream.....	.....	.....
626	.....	.....	.....
628	.....	.....	.....
633	Lily brand sterilized cream.....	.....	McCoy & Son.....
634	.....	.....	.....
637	.....	.....	.....
639	Monroe brand condensed milk.....	.....	Wreden & Hencken....
359	.....	.....	.....
631	.....	.....	.....

VAPORATED CREAM.

ere submitted and analyzed. The total number of samples embraced rands, three were found to be below the official standard. Each ne of Eastern origin was deficient in butter fat.
ream may not be amiss.

REAM ANALYSES.

ADDRESS.	PER CENT.					REMARKS.
	Water and loss at 100 deg. C.	Milk sugar	Albuminoids	Butter fat	Ash	
Market	79.90	9.28	5.90	3.95	.97	50.6 per cent. below official standard in butter fat.
vato, Cal	81.21	6.27	6.03	5.56	.93	30.5 per cent. below official standard in butter fat.
vato, Cal	82.31	6.22	5.51	5.09	.87	36.4 per cent. below official standard in butter fat.
Sixteenth	83.19	6.56	5.25	4.25	.75	47.0 per cent. below official standard in butter fat.
	70.00	12.21	7.43	8.94	1.42	Butter fat fully up to official standard.
	66.32	12.55	9.54	10.04	1.55	Butter fat fully up to official standard.
	66.03	13.14	8.93	10.32	1.58	Butter fat fully up to official standard.
58 Ninth	68.91	14.12	8.09	7.60	1.28	5 per cent. below official standard in butter fat.
	65.28	15.06	9.10	9.05	1.51	Butter fat fully up to official standard.
	66.94	13.56	8.49	9.51	1.50	Butter fat fully up to official standard.
Allister-Franklin	72.22	12.02	7.78	6.67	1.31	16.3 per cent. below official standard in butter fat.
	68.33	4.37	4.40	22.28	.62	So-called natural cream.
	71.77	6.10	4.37	17.32	.44	So-called natural cream.

Viewed in the light of these analyses it will be seen that the term *cream* when applied to such products is a misnomer.

By *cream* is understood a substance derived from cow's milk, the average composition of which is given as containing 23 per cent. of butter fat. If, then, we are given a sample of *sterilized cream* we should have a substance the composition of which would be approximately that of average fresh cream. On the other hand, if we purchase *evaporated cream*, we should have a higher percentage of butter fat than we would obtain in average fresh cream, according to the amount of evaporation which the cream had undergone.

Clearly, the samples of "cream" analyzed do not come up to the name under which they are sold.

They are nothing more than fresh milk which has been concentrated in varying proportions, even the best of them not approaching fresh cream in richness in butter fat.

These remarks apply to all but the last three samples. Number 639 is sold as condensed milk, and is clearly within the meaning of the law, although it is 16 per cent. below the established standard. Numbers 359 and 631 are samples of natural cream, and certainly approach more closely to it than do the "sterilized" or "evaporated" creams.

INVESTIGATION OF THE CITY'S GAS SUPPLY.

Regarding the gas supply of San Francisco, I would state, after referring to the analyses embodied in this report, that the average of three analyses made of the gas supplied by the Pacific Gas Improvement Company show that the gas contains 24.33 per cent. of carbon monoxide.

A similar analysis of the gas furnished by the San Francisco Gas and Electric Company shows that this gas contains an average of 16.44 per cent. of carbon monoxide.

GAS ANALYSES.

No.	DESCRIPTION OF SAMPLE.	FROM WHAT SOURCE.	Carbon dioxid...	Hydro-Carbons.	Oxygen..	Carbon Monoxide.	Methyline.	Hydrogen.	Nitrogen.
650	Gas taken from jet in office of Chief Food Inspector.....	Pacific Improvement Co.'s main..	3.5	7.0	0.0	24.7	21.6	35.0	8.2
651	Gas taken from jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co.'s main.	2.0	6.4	0.0	15.6	30.6	35.5	9.9
91	Gas taken from jet in office of Chief Food Inspector.....	Pacific Improvement Co.'s main..	2.8	6.6	0.0	24.1	21.2	34.4	10.9
92	Gas taken from jet in office of Chief Food Inspector.....	Pacific Improvement Co.'s main..	2.8	6.4	0.0	24.2	22.1	34.1	10.4
93	Gas taken from jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co.'s main.	3.03	7.07	0.00	18.58	30.41	35 55	5.36
94	Gas taken from jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co.'s main	2.93	6.56	0.00	15.15	31.81	34.74	8.81

These results show that the gas of the Pacific Gas Improvement Co. contains one-third more of carbon monoxide. As both gases are mixtures of carburetted water gas and coal gas, and as gas containing any desirable amount of carbon monoxide can easily be obtained by admixture, there is no reason why the two companies should not supply a gas of analagous composition.

WATER GAS VERSUS COAL GAS.

The gas known as water gas has been known for many years, but has only within the last twenty-five years risen to the important position it now occupies.

Water gas is generally obtained by the decomposition of water or steam in contact with incandescent carbon in the form of anthracite coal or coke. The process may be divided into two distinct operations: first in the formation of carbonic acid and liberation of hydrogen, two oxygen atoms from the water combining with one atom of carbon to form carbonic acid, the four atoms of hydrogen being set free as explained by the following symbolic reaction: $2\ H2\ O + C. = CO2 + H4$.

The second stage of the operation is explained on the theoretical assumption that the carbonic acid thus formed in the presence of an excess of the incandescent carbon will take to itself another atom, the carbonic acid to be reduced to carbon monoxide, thus $CO2 + C = 2CO$. So that the main and final result would be hydrogen and carbon monoxide equal volumes each. It is from these theoretical grounds that the present system for improved illuminating gas was evolved.

The following average analyses made by Professor Crum Brown of the University of Edinburgh in 1896, of water gas from two separate works, give its usual composition.

	PER CENT.	
	First.	Second.
Carbonic acid	10.9	5.5
Oxygen	0.0	0.0
Carbon monoxide	35.5	41.2
Hydrogen	50.5	50.9
Nitrogen	3.4	2.1
	100.0	100.

The analysis shows that the gas still contains a considerable amount of unconverted carbonic acid.

Carbon monoxide is a colorless and odorless gas. As a fuel it is more valuable than hydrogen because it carries more heat than water vapor. Whilst, therefore, water gas is a good fuel, it is of no use as an illuminating agent. If, however, it is mixed with some gas or vapor rich in illuminants or heavy hydro-carbons (containing relatively large proportions of carbon) a stronger illuminating flame can be obtained. Amongst the so-called illuminants are classed the heavy hydro-carbons ethylene, acetylene, propylene, butylene, benzine and other hydro-carbon vapors, which yield light; but the illuminating power of the gas depends principally upon the amount of ethylene it contains, which, during the combustion of the gas, become dissociated into marsh gas and carbon, the solid particles of which becoming incandescent emit white light. In gas analysis the heavy hydro-carbons here referred to are classed together as illuminants.

Water gas when enriched with oil gas is called carburetted water gas. In making carburetted water gas by modern methods, the oil gas is not made separately and then

added to the water gas; but the oil (petroleum) itself is sprayed into the hot crude water gas in a chamber called a carburetter. This oil is immediately vaporized, and being thereupon strongly heated in a super-heater decomposes, generating oil gas ready mixed with water gas. This crude carburetted water gas has to be purified from tarry matters, sulphur compounds and carbonic acid in the same manner as crude coal gas, when it then constitutes the illuminating gas which is at the present time supplied to consumers in New York by the Consolidated Gas Company; Philadelphia, by the United Gas Improvement Company; Boston, by the Boston Gas Light Company; Chicago, by the United Gas Improvement Apparatus Company.

The following table represents (officially obtained) analyses of illuminating gas used in the above-named cities:

	PER CENT.			
	New York, 1897.	Chicago, 1897.	Boston, 1896.	Philadelphia 1897.
Carbonic acid	2.6	3.8	2.13	.14
Illuminants	13.6	14.6	10.15	12.82
Oxygen	.7	0.0	.21	0.06
Carbon monoxide	28.9	28.0	20.48	28.26
Hydrogen	29.5	35.6	40.41	37.20
Marsh gas	19.9	17.0	20.77	18.88
Nitrogen	4.3	1.0	4.35	2.64
	100.0	100.0	100.00	100.00

The illuminating gas used in Boston is a mixture of carburetted water gas and coal gas. In New York, Chicago and Philadelphia carburetted water gas is in general use, as the high percentage amount of carbon monoxide plainly shows. There seems to be no objection to the introduction of carburetted water gas in these cities, as a clean, brilliant and high candle-power gas is preferred.

Advantages claimed for carburetted gas:

(1). That it is the cheapest and best gas that can be made.

(2). That it furnishes consumers of gas a higher candle-power (28-30) than any other.

(3). That it is absolutely free from smoke and burns with a brilliant flame.

(4). That on mixing a high-candle water gas with ordinary coal gas the candle-power of the mixed gas is raised to a desirable point, and a freedom from smoke is secured.

The disadvantages charged to carburetted gas:

There is only one, and it is unquestionably a serious one —the presence of a large proportion of carbon monoxide derived from water gas.

Coal gas is made by the destructive distillation of bituminous coal. It contains a comparatively small proportion of carbon monoxide, and is greatly inferior as an illuminating agent to carburetted water gas. On account of the smoky character of the flame, caused by its imperfect combustion and the generation of obnoxious sulphur products, it produces the unavoidable destruction of decorations on the walls and ceilings of rooms. This form of illuminating gas is yet in use in Louisville and Cincinnati, and most likely in many of the smaller cities.

The following table gives the composition of purified coal gas in the general localities mentioned. (1) Chemnitz, Saxony, (2) ordinary London gas, (3) London cannel-coal gas, (4) San Francisco Gas Light and Electric Company:

	PER CENT.			
	No. 1.	No. 2.	No. 3.	No. 4.
Carbonic acid	1.08	0.7	0.1	2.0
Oxygen	0.41	0.0	0.0	0.5
Carbon monoxide	4.45	7.5	6.8	6.8
Hydrogen	51.29	46.0	27.7	57.0
Illuminants	4.91	3.8	13.0	5.6
Marsh gas	36.45	39.5	50.0	23.0
Nitrogen	1.41	0.5	0.4	5.1
	100.0	100.0	100.0	100.0

On comparing the above analyses, it will be seen that whilst the gas made from cannel coal, on account of its percentage of illuminants, gives a higher grade of candle power, yet on account of deficiency in hydrogen it is open to the objection that the flame must be exceedingly smoky and sooty, and should therefore be declared a nuisance.

MIXTURES OF CARBURETTED GAS AND ORDINARY COAL GAS.

Since the introduction of water gas, which is on account of its cheaper production, greater candle power and improvement in other ways, corporations not desiring to close their coal gas works have adopted the plan of mixing the two gases, with evident satisfaction to themselves and the consumers. The two local gas companies are supplying this city with a gas consisting of a mixture of carburetted water gas and common coal gas.

The two gases are capable of admixture to make a gas of any intermediate candle power, and will furnish a gas greatly in advance, as far as illuminating effects are concerned, to that of common coal gas.

A perusal of the following tables gives data regarding the vexed question of gas asphyxiation in San Francisco, whether suicidal or accidental. The increase of gas asphyxiation seems apparently to keep pace with the list of total suicides, noting a few exceptions. The table further shows that deaths by accidental asphyxiation have exceeded

deaths by suicidal asphyxiation during the stated twenty-five years, excepting last year.

RECORD OF TWENTY-FIVE YEARS.

COMPARATIVE TABLE OF SUICIDES AND GAS ASPHYXIATIONS IN SAN FRANCISCO COMPILED FROM MUNICIPAL REPORTS.

PERIOD OF TWENTY-FIVE YEARS.	Total Suicides by Various Causes	Total Gas Asphyxiation	Asphyxiation by Suicide	Asphyxiation by Accident	Asphyxiation by Murder	Asphyxiation by Unknown Causes	Percentage of Total Gas Asphyxiations	Percentage of Accidental Asphyxiations	Percentage of Suicidal Asphyxiations
1872-73	38	...	...	...	...	...	...	...	...
1873-74	59	2	...	2	...	...	3.4	3.4	6.0
1874-75	58	8	3	4	...	1	12.1	5.2	0.0
1875-76	56	4	...	4	...	...	7.1	7.1	0.0
1876-77	75	3	...	3	...	...	4.0	4.0	0.0
1877-78	103	2	1	1	...	...	1.9	1.0	1.0
1878-79	86	1	...	...	1	...	1.2	0.0	0.0
1879-80	90	4	...	4	...	...	4.4	4.4	0.0
1880-81	72	2	...	2	...	...	2.8	2.8	0.0
1881-82	72	6	1	5	...	...	8.3	7.0	1.4
1882-83	80	1	1	...	...	...	1.2	0.0	1.2
1883-84	85	12	2	10	...	...	14.1	11.8	2.4
1884-85	83	12	4	7	1	...	14.4	8.4	4.8
1885-86	86	12	2	10	...	...	14.0	11.6	2.3
1886-87	76	9	1	8	...	...	11.8	10.5	1.3
1887-88	82	9	2	6	...	1	11.0	7.3	2.4
1888-89	66	16	1	14	...	1	24.2	21.2	1.5
1889-90	96	22	7	15	...	...	22.9	15.6	7.3
1890-91	75	6	...	6	...	...	8.0	6.0	0.0
1891-92	112	31	6	25	...	...	27.7	22.3	5.4
1892-93	122	48	22	25	...	1	39.4	20.5	18.3
1893-94	125	32	9	23	...	...	25.6	18.4	7.2
1894-95	119	38	9	28	...	1	31.9	23.8	7.5
1895-96	148	45	23	15	3	4	30.4	10.1	15.5
1896-97	178	62	42	16	1	3	34.8	9.0	23.6
Totals	1242	386	136	233	6	12	...	...	...
Average of percentage	...	...	...	...	...	...	31.0	18.7	10.9

COMPARISON WITH OTHER CITIES.

COMPARATIVE TABLE OF SUICIDES AND GAS ASPHYXIATIONS FOR NEW YORK, PHILADELPHIA AND SAN FRANCISCO.

1896.	Total Suicides from Various Causes..	Total Gas Asphyxiations.....	Asphyxiations by Accident.....	Asphyxiations by Suicide.....	Percentage of Total Gas Asphyxiations	Percentage of Accidental Asphyxiations.....	Percentage of Suicidal Asphyxiations.....
New York.....	384	90	55	35	23.4	14.3	9.1
Philadelphia.....	133	33	23	10	24.4	17.3	7.5
San Francisco.....	178	62	42	16	34.8	9.0	23.6

Many of these accidental casualties were doubtless due to imperfect gas fixtures, and it should be made incumbent upon the gas companies to make a thorough inspection of the keys to burners before turning on the gas in any building. The keys should not only be in perfect order, but the kind of burner that stops burning when the gas is turned off.

Dr. Strache, in Vienna, refers to the various methods of securing freedom from fatal consequences, such as a self-closing burner, which requires to be warmed by the match before the gas can escape, and which closes by cooling should the gas be blown out accidentally. He also suggests the use of spongy platinum to make self-lighting burners, so that the escaping gas would ignite in flames and thus prevent accidents.

Regarding the mania now in vogue in resorting to gas asphyxiation for committing suicide but little can be said, as common coal gas is as destructive to life as carburetted water gas. It is merely a question of time. Then, again, the avenues open to any one who is determined to end his life are many, and it is commonly a matter of indifference to a person suicidally inclined whether it be illuminating gas or some other agent.

The poisonous action of illuminating gas depends almost entirely upon carbon monoxide which it contains. This gas unites with the haemoglobin of the blood, and thus prevents the supply of oxygen to the various parts of the body. Investigations on the effect of carbon monoxide were made by Dr. John Huldane, and the results published in the "Journal of Physiology," Volume XVIII.

The symptoms produced by carbon monoxide in a healthy and normal individual resemble closely those produced by the atmosphere in which the oxygen tension is considerably diminished by the reduction of atmospheric pressure; in other words, by the reduction of the oxygen percentage. Palpitation, fullness in the head, together with a tendency to impairment of the senses, and loss of power of limbs, are the characteristic symptoms produced both by carbon monoxide and a diminished supply of oxygen in the air breathed. In the earlier stages of carbon monoxide poisoning these symptoms only occur after exertion. It is also characteristic of a moderately-diminished oxygen supply in the blood, as shown by the records of mountain travelers. The experiments further prove that none of these symptoms occur until the blood is saturated to a considerable extent with carbon monoxide, and that both the increase and decrease of the symptoms during and after the inhalation of moderate quantities of the gas run parallel with the changes in the saturation of the blood. In proportion as the saturation increases the symptoms increase; in proportion as the saturation diminishes the symptoms diminish.

As was shown in repeated experiments, the symptoms do not become appreciable until the blood is about one-third saturated, so that the oxygen in the blood is reduced by one-third. Now, this is just what might be expected on the hypothesis that those symptoms are due to the want of oxygen. The symptoms produced by a one-third saturation of the corpuscles with carbon monoxide should therefore correspond to those experienced by mountaineers at an elevation of about 18,000 feet, or by a person breathing air

in which the oxygen percentage is reduced to a pressure of 10.5 inches.

Any proportion of carbon monoxide in air 0.02 per cent. (1-5000) is without action, and a person can inhale such contaminated air for any length of time; 0.045 per cent. (about 1-2000) in air begins to have an appreciable effect, but can be inhaled for four hours without any marked effect. Twenty-one hundredths of 1 per cent. (about 1-500) produce very marked symptoms, and such a mixture when inhaled for about seventy-five minutes will produce strongly marked poisonous effects.

The affinity of carbon monoxide for haemoglobin is about 143 times that of oxygen; it is not oxidized within the body, and cannot be got rid of excepting by displacement by oxygen.

In conclusion I would say that I have used every effort to collect data, but it seems that gas companies, as a rule, are very reticent in giving out information.

SUPPLEMENTAL GAS ANALYSES.

In accordance with the policy of your honorable body analyses of gas supplied to the City have been made from time to time. The analyses are given in full below:

GAS ANALYSES.

No.	FROM WHAT SOURCE.	MANUFACTURED BY	PER CENT.							
			Carbon dioxid.....	Hydro-carbons.....	Oxygen.....	Carbon monoxid...	Methane.....	Hydrogen.....	Nitrogen.....	Total.....
98	Jet in Chemical Laboratory.....	Pacific Gas Improvement Co.	3.6	6.0	0.0	25.7	20.7	34.2	9.7	100.0
99	Jet in Chemical Laboratory.....	Pacific Gas Improvement Co.	3.2	5.8	0.0	25.0	22.8	33.4	9.8	100.0
100	Jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co....	1.4	6.6	0.0	16.2	32.3	35.0	8.5	100 0
101	Jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co....	1.7	5.8	0.0	15.2	37.5	30.1	9.7	100.0
145	Jet in Chemical Laboratory.....	Pacific Gas Improvement Co.	2.8	6.0	0.0	25.6	19.5	36.1	10.0	100.0
146	Jet in Chemical Laboratory.....	Pacific Gas Improvement Co	3.0	5.8	0.0	25.2	19.8	34.6	11.6	100.0
147	Jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co....	2.97	5.94	0.00	15.64	29.10	37.71	8.64	100.00
148	Jet in office of Gas and Water Inspector.....	S. F. Gas and Electric Co....	3.16	5.73	0.00	14.42	25.09	41.49	10.11	100.00

SAMPLES OF

Fifteen samples of honey were analyzed. The tabulated statement

The adulterant in most cases is glucose, while in two cases plain from the analyses.

Most, if not all, of these honeys were produced in California, and are we are under of fighting internal as well external forces as regards

HONEY

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	POLARIZATION, DEGREES.	
			Direct	Indirect
102	Pure food		− 2.5	− 7.7
104	Pure high grade honey, extra qual.	Stulz Bros., 1931 Fillmore	+71.7	+44.0
107	Pure San Diego white sage honey	John Bulotti, 2201 Steiner	+39.5	+37.5
109	Honey		−18.6	−27.4
110	Honey		−15.0	−29.3
112	Honey		−24.0	−31.4
113	Honey		−14.8	−25.5
116	California honey	H. Muller, 1701 Devisadero	+18.0	+17.3
117	Honey		−14.4	−23.9
118	Honey	Paul Krebs, 2300 Sutter	+44.2	+39.4
120	Fine California honey	H. Biscanter, Sutter and Scott	+15.0	+10.0
123	Honey		+ 2.3	−4.2
124	Honey		−19.5	−24.5
127	Honey		−16.3	−25.1
128	Pure high grade honey, extra qual.	Levin Bros., 134 Sixth	+65.5	+37.5

HONEY.

following shows that 6, or 40 per cent. of the total, were adulterated. substitution of cane sugar syrup and commercial glucose is evident

so designated on the label, which is another evidence of the necessity adulterated foods.

ANALYSES.

TEMPERATURE, CENTIGRADE, DEGREES.	PER CENT.					REMARKS.
	Cane sugar....	Reducing sugar	Water and loss at 100 deg. C	Not determined	Ash.....	
16	3.82	65.79	29.16	1.07	.16	Pure honey.
16	20.36	40.81	21.14	17.47	.22	Cane sugar syrup and commercial glucose.
16	1.47	65.79	22.23	10.03	.42	Honey adulterated with glucose.
16	6.47	71.42	21.06	.94	.11	Pure honey.
16	10.51	71.42	16.68	1.30	.09	Pure honey.
16	5.44	73.53	16.03	4.92	.08	Pure honey.
16	7.86	70.42	17.53	4.13	.06	Pure honey.
16	.51	65.79	20.72	12.82	.16	Honey adulterated with glucose.
16	6.98	75.75	14.41	2.71	.15	Pure honey.
16	4.67	66.66	17.13	11.32	.22	Honey adulterated with glucose.
16	3.67	68.49	19.45	8.23	.16	Honey adulterated with glucose.
16	4.42	68.02	23.36	4.28	.12	Pure honey.
16	3.67	70.42	15.67	10.16	.08	Pure honey.
16	6.47	71.42	13.87	8.17	.07	Pure honey.
16	20.58	37.60	26.12	15.48	.22	Cane sugar syrup and commercial glucose.

JELLY.

Nine samples of jelly of different kinds were analyzed, every one of which proved to be pure and as represented.

This certainly shows that the work of the Department in investigating and vigorously prosecuting adulteration of jelly has accomplished a wholesome good in improving the quality of the article in question.

That the improvement is certain is shown by the fact that all of the samples analyzed were of the pack which was put up after the reports on jelly had been presented in March and April of the fiscal year 1896-97.

It is hoped that the improvement during the next year may be even more marked.

JELLY ANALYSES.

Number.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	RESULTS OF ANALYSIS.
215	Apple jelly		Pure apple jelly.
216	Currant jelly		Pure currant jelly.
217	Currant jelly		Pure currant jelly.
349	Blackberry jelly		Pure blackberry jelly.
350	Raspberry jelly		Pure raspberry jelly.
240	Currant jelly		Pure currant jelly.
241	Currant jelly		Pure currant jelly.
242	Currant jelly		Pure currant jelly.
239	Black currant jelly		Pure currant jelly.

MILK.

One hundred and ninety-seven samples of milk were submitted during the year.

Of this total number 160 samples were taken at the order of the Chief Food Inspector, and were collected during a period of some four or five days. The samples were taken from wagons, milk-stands, hotels and restaurants. Owing to unavoidable delay 33 of the samples soured before they could be tested; of the remaining 127 examined 18, or only 14 per cent., were found below the standard, of 3.2 per cent. of butter fat, adopted by your honorable body.

This is a remarkable showing when it is considered that at the time these samples were taken the milk supply of the City was without inspection other than occasional raids, the Food stations having been closed.

The other samples analyzed were submitted on complaint of private parties. The samples numbered 37. Analysis showed that 16 per cent. of those complained of were below the established standard in butter fat.

In the light of the information given by these analyses it would seem that in the majority of cases adulteration is practiced by the keepers of milk-stands and restaurants, and not by the dairy people themselves.

The fact that 16 per cent. of the complaints received had foundation, and only 14 per cent. of the total taken from all sources were below the standard, would seem to bear out the fact that adulteration was practiced between the dairyman and consumer.

MILK ANALYSES.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent....	REMARKS.
356	Milk.....	Mrs. Herbert, 6 Mint.	3.00	A fair milk nearly to standard.
357	Milk.....	Newbauer, 2822 Pine..	2.60	20 p. c. deficient in butter-fat.
416	Milk.....	.....	4.00	Butter-fat above official standard.
417	Milk.....	.....	3.80	Butter-fat above official standard.
418	Milk.....	.....	4.00	Butter-fat above official standard.
419	Milk.....	.....	4.00	Butter-fat above official standard.
420	Milk.....	.....	3.20	Butter-fat of official standard.
421	Milk.....	.....	3.80	Butter-fat above official standard.
422	Milk.....	.....	3.80	Butter-fat above official standard.
423	Milk.....	.....	3.80	Butter-fat above official standard.
424	Milk.....	.....	4.00	Butter-fat above official standard.
425	Milk.....	.....	3.60	Butter-fat above official standard.
426	Milk.....	.....	4.20	Butter-fat above official standard.
427	Milk.....	.....	3.60	Butter-fat above official standard.
428	Milk.....	.....	3.40	Butter-fat above official standard.
429	Milk.....	.....	4.00	Butter-fat above official standard.
430	Milk.....	.....	3.40	Butter-fat above official standard.
431	Milk.....	.....	4.00	Butter-fat above official standard.
432	Milk.....	.....	4.00	Butter-fat above official standard.
433	Milk.....	.....	3.80	Butter-fat above official standard.
434	Milk.....	.....	3.40	Butter-fat above official standard.
435	Milk.....	.....	3.80	Butter-fat above official standard.
436	Milk.....	.....	4.00	Butter-fat above official standard.
437	Milk.....	.....	4.00	Butter-fat above official standard.
438	Milk.....	.....	3.20	Butter-fat of official standard.
439	Milk.....	.....	3.40	Butter-fat above official standard.
440	Milk.....	.....	3.80	Butter-fat above official standard.
441	Milk.....	.....	3.20	Butter-fat of official standard.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent...	REMARKS.
442	Milk.....	.....	3.60	Butter-fat above official standard.
443	Milk.....	.....	3.60	Butter-fat above official standard.
444	Milk.....	.....	4.00	Butter-fat above official standard.
445	Milk.....	.....	3.60	Butter-fat above official standard.
446	Milk.....	.....	4.00	Butter-fat above official standard.
447	Milk.....	.....	3.20	Butter-fat of official standard.
448	Milk.....	A. Pontacq, 211 Bur-[lington street.	2.20	Butter-fat 35 p. c. bel. official standard
449	Milk.....	.....	5.00	Butter-fat above official standard.
450	Milk.....	.....	.....	Sample soured.
451	Milk.....	.....	.....	Sample soured.
452	Milk.....	.....	.....	Sample soured.
453	Milk.....	.....	.....	Sample soured.
454	Milk.....	.....	.....	Sample soured.
455	Milk.....	.....	.....	Sample soured.
456	Milk.....	.....	3.20	Butter-fat of official standard.
457	Milk.....	.....	3.60	Butter-fat above official standard.
458	Milk.....	.....	3.20	Butter-fat of official standard.
459	Milk.....	.....	3.80	Butter-fat above official standard.
460	Milk.....	.....	3.20	Butter-fat of official standard.
461	Milk.....	.....	3.20	Butter-fat of official standard.
462	Milk.....	.....	3.80	Butter-fat above official standard.
463	Milk.....	.....	3.20	Butter-fat of official standard.
464	Milk.....	.....	.....	Sample soured.
465	Milk.....	.....	.....	Sample soured.
466	Milk.....	.....	.....	Sample soured.
467	Milk.....	.....	.....	Sample soured.
468	Milk.....	.....	.....	Sample soured.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent.	REMARKS.
469	Milk	.....	.....	Sample soured.
470	Milk	.....	.....	Sample soured.
471	Milk	.....	.....	Sample soured.
472	Milk	.....	.....	Sample soured.
473	Milk	.....	.....	Sample soured.
474	Milk	.....	.....	Sample soured.
475	Milk	.....	.....	Sample soured.
476	Milk	.....	.....	Sample soured.
477	Milk	.....	.....	Sample soured.
478	Milk	.....	.....	Sample soured.
479	Milk	.....	.....	Sample soured.
480	Milk	.....	.....	Sample soured.
481	Milk	.....	.....	Sample soured.
482	Milk	.....	.....	Sample soured.
483	Milk	.....	.....	Sample soured.
484	Milk	.....	.....	Sample soured.
485	Milk	.....	.....	Sample soured.
486	Milk	.....	.....	Sample soured.
487	Milk	.....	.....	Sample soured.
488	Milk	.....	.....	Sample soured.
489	Milk	.....	.....	Sample soured.
490	Milk	.....	.....	Sample soured.
491	Milk	.....	4.00	Butter-fat above official standard.
492	Milk	.....	3.60	Butter-fat above official standard.
493	Milk	.....	3.20	Butter-fat of official standard.
494	Milk	.....	3.80	Butter-fat above official standard.
495	Milk	.....	3.20	Butter-fat of official standard.
496	Milk	.....	3.40	Butter-fat above official standard.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent...	REMARKS.
497	Milk.....	.....	4.20	Butter-fat above official standard.
498	Milk.....	.....	4.00	Butter-fat above official standard.
499	Milk.....	.....	3.80	Butter-fat above official standard.
500	Milk.....	J. Tscheiner, San Bruno Road.....	2.80	Butter-fat 12½ p. c. bel. off'l standard.
501	Milk.....	.....	3 60	Butter-fat above official standard.
502	Milk.....	.....	4.10	Butter-fat above official standard.
503	Milk.....	.....	3.20	Butter-fat of official standard.
504	Milk.....	.....	3.40	Butter-fat above official standard.
505	Milk.....	.....	4.40	Butter-fat above official standard.
506	Milk.....	.....	3.20	Butter-fat of official standard.
507	Milk.....	.....	3.80	Butter-fat above official standard.
508	Milk.....	.....	4.20	Butter-fat above official standard.
509	Milk.....	.....	3.40	Butter-fat above official standard.
510	Milk.....	.....	4.00	Butter-fat above official standard.
511	Milk.....	.....	3.40	Butter-fat above official standard.
512	Milk.....	.....	3.60	Butter-fat above official standard.
513	Milk.....	.....	4.10	Butter-fat above official standard.
514	Milk.....	.....	4.60	Butter-fat above official standard.
515	Milk.....	.....	3.60	Butter-fat above official standard.
516	Milk.....	.....	4.00	Butter-fat above official standard.
517	Milk.....	R'ky M'n D'y wg'n....	3.00	Butter-fat slightly bel. off'l standard.
518	Milk.....	.....	3.60	Butter-fat above official standard.
519	Milk.....	.....	4.00	Butter-fat above official standard.
520	Milk.....	.....	4.20	Butter-fat above official standard.
521	Milk.....	.....	3.60	Butter-fat above official standard.
522	Milk.....	.....	4.20	Butter-fat above official standard.
523	Milk.....	.....	3.20	Butter-fat of official standard.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent...	REMARKS.
524	Milk.....	.....	3.80	Butter-fat above official standard.
525	Milk.....	.....	3.80	Butter-fat above official standard.
526	Milk.....	.....	3.60	Butter-fat above official standard.
527	Milk.....	.....	4.00	Butter-fat above official standard.
528	Milk.....	.....	3.80	Butter-fat above official standard.
529	Milk.....	.....	4.20	Butter-fat above official standard.
530	Milk.....	.....	14.00	Butter-fat greatly ab've off'l standard.
531	Milk.....	.....	3.60	Butter-fat above official standard.
532	Milk.....	.....	3.80	Butter-fat above official standard.
533	Milk.....	.....	3.60	Butter-fat above official standard.
534	Milk.....	.....	3.60	Butter-fat above official standard.
535	Milk.....	.....	4 00	Butter-fat above official standard.
536	Milk.....	.....	3.40	Butter-fat above official standard.
537	Milk.....	.....	3.40	Butter-fat above official standard.
538	Milk.....	.....	4.20	Butter-fat above official standard.
539	Milk.....	.....	3.20	Butter-fat of official standard.
540	Milk.....	.....	3.20	Butter-fat of official standard.
541	Milk.....	.....	3.40	Butter-fat above official standard.
542	Milk.....	Denver Dairy wg'n....	2.80	Butter-fat 12.5 p. c. bel. off'l standard.
543	Milk.....	Sieman & Russ Bakery.....	2.40	Butter-fat 25 p .c. bel. official standard.
544	Milk.....	.....	3.40	Butter-fat above official standard.
545	Milk.....	Golden West Dairy....	3.00	Butter-fat slightly bel. off'l standard.
546	Milk.....	.....	3.40	Butter-fat above official standard.
547	Milk.....	J. Bohner.....	2.80	Butter-fat 12.5 p. c. bel. off'l standard.
548	Milk.....	.....	3.60	Butter-fat above official standard.
549	Milk.....	.....	3.40	Butter-fat above official standard.
550	Milk.....	A. Swiss, R'st'nt.....	2.40	25 per cent. below official standard.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent.	REMARKS.
551	Milk		4.20	Butter-fat above official standard.
552	Milk	H. H. Hjul, R'st'nt	2.80	Butter-fat 12.5 p. c. bel. off'l standard.
553	Milk	J. E. Hamer, R'nt	3.00	Butter-fat nearly up to off'l standard.
554	Milk	R. E. Dickman Restaurant	2.20	Butter-fat 31.2 p. c. bel. off'l standard.
558	Milk		4.00	Butter-fat above official standard.
559	Milk		3.80	Butter-fat above official standard.
560	Milk		3.80	Butter-fat above official standard.
561	Milk		3.00	Butter-fat nearly up to off'l standard.
562	Milk	Jewel Bros., 1306 Turk	3.80	Butter-fat above official standard.
563	Milk		3.60	Butter-fat above official standard.
564	Milk		3.60	Butter-fat above official standard.
565	Milk		3.60	Butter-fat above official standard.
566	Milk	Hermanson, 12 Clay street	2.80	Butter-fat 12½ p. c. bel. off'l standard.
567	Milk		3.60	Butter-fat above official standard.
568	Milk	Scheffele, 129 4th	2.00	Butter-fat 37½ p. c. bel. off'l standard.
569	Milk		3.20	Butter-fat of official standard.
570	Milk	Anton Lee, R'st'nt, 122 Fourth street	1.20	Butter-fat 60 p. c. bel. off'l standard.
571	Milk		4.20	Butter-fat above official standard.
572	Milk		3.80	Butter-fat above official standard.
573	Milk		3.60	Butter-fat above official standard.
574	Milk		4.00	Butter-fat above official standard.
575	Milk		3.80	Butter-fat above official standard.
576	Milk		3.80	Butter-fat above official standard.
577	Milk		3.80	Butter-fat above official standard.
578	Milk		3.40	Butter-fat above official standard.
579	Milk		8.60	Butter-fat above official standard.

MILK ANALYSES—CONTINUED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Butter fat, per cent...	REMARKS.
580	Milk.....	Leipsic Bros., 1407 Buchanan St., wagon....	2.60	Butter-fat 18.7 bel. official standard.
581	Milk.....	.....	4.00	Butter-fat above official standard.
582	Milk.....	.....	8.50	Very rich milk.
586	Milk.....	.....	4.60	Butter-fat above official standard.
587	Milk.....	.....	3.40	Butter-fat above official standard.
588	Milk.....	.....	3.60	Butter-fat above official standard.
589	Milk.....	.....	3.40	Butter-fat above official standard.
590	Milk.....	.....	4.40	Butter-fat above official standard.

MILK ANALYSES—CONCLUDED.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Sp. Gravity at 60 deg. F.	Butter fat...	Solids not fat	REMARKS.
360	Milk.....	.....	1.032	4.75	9.10	Rich milk.
371	Milk.....	.....	1.034	5.50	9.74	Rich milk.
375	Milk.....	.....	1.028	6.55	8.20	Very rich milk.
376	Milk.....	H. Lottman, 928 York St	1.027	2.20	7.33	Very defic'nt in but'r-fat.
378	Milk.....	John Brown, Market St	1.030	1.00	7.96	Skim-milk.
379	Milk.....	.....	.....	10 00	....	Very rich milk.
380	Milk.....	.....	.....	6.00	....	Rich milk.
381	Milk.....	.....	.....	4.40	....	Rich milk.
382	Milk.....	.....	.....	10.00	...	Very rich milk.
410	Milk.....	F. San, 2713 Diamond.	1.033	2.60	8.92	Deficient in butter-fat.
227	Milk.....	.....	.....	.....	....	No cause for complaint.
592	Milk.....	W. F. Brownton, 1002 P'lk	1.028	2.20	7.58	35 p. c. below standard
596	Milk.....	.....	1.034	3.80	9.40	Above standard.
597	Milk.....	.....	1 033	4.00	9.19	Above standard.
598	Milk.....	.....	.....	.....	....	Referred to bacteriologist.
600	Milk.....	Almshouse.....	1.026	2.00	7.04	37½ p. c. below standard.
603	Milk.....	.....	.....	4.40	....	Above standard.
604	Milk.....	.....	1 030	4.40	8.52	Above standard.
647	Milk.....	.....	1.028	3.00	7.74	6¼ p. c. below standard.
649	Milk.....	.....	1 029	2.00	7.79	40 p. c. below standard.
33	Cream....	.....	.....	.....	...	No cause for complaint.
329	Milk.....	.....	.....	6.10	....	Rich milk.
328	Milk.....	Almshouse.....	.....	2.60	....	Below standard.
355	Milk.....	.....	.....	3.40	....	Above standard.
290	Milk.....	.....	.....	5.52	....	Above standard.

OLIVE OIL.

Fifty-seven samples of oil purchased for olive oil were analyzed during the year. Of the total number of samples of oil examined 33 1-3 per cent. were found to be plain substitutions of other oils for olive oil.

In the fifty-seven samples there were twenty-six different brands of oil, just one-half of which were substitutions.

It is a rather interesting fact that there were no samples which showed the presence of a foreign oil mixed with olive oil, thus showing that the consumer obtains pure olive oil or else an oil which has been substituted wholly for olive oil.

The oil most used in this substitution is cotton seed oil with sometimes a small amount of some rank tasting oil to give an imitation of the true olive oil flavor and at the same time to mask the insipidness of the cottonseed oil.

The question as to the comparative value of olive oil and some of the more common oils which masquerade as olive has been briefly dealt with in one of the monthly reports. It is given below in full:

"Regarding the uses of the fixed oil of mustard and cotton seed oil as articles of food, I beg to say that mustard-seed oil is used largely in India for cooking purposes. It is a yellow, bland oil, having a greenish cast from the presence of chloraphyll, is free from any pungency, and has but little tendency to become rancid. It consists of stearin and olein, together with the glyceride of Erucic acid. What influence the latter may have upon digestion I am not prepared to answer, and neither have I been able to obtain any data as to the amount of this substance present.

"The cotton-seed oil, which is so extensively used as a substitute for olive oil, is also almost exclusively used for preserving sardines, which were formerly immersed in pure

olive oil. Cotton-seed oil does not turn rancid, and its flavor bears some resemblance to linseed oil, and does not bear even remotely any resemblance to the flavor of pure olive oil. Cotton-seed oil consists of olein and palmitin, and resembles in constitution olive oil, which also contains olein and palmitin, with a small percentage of stearin.

"In conclusion, I would offer the suggestion that inasmuch as oil of mustard contains a substance whose physiological action is not known, that this oil should be condemned as an adulteration of cotton-seed oil. And also that in my judgment the cotton-seed should be considered harmless, and as fully digestible as olive oil."

OLIVE OIL

No.	DESCRIPTION OF ARTICLE.	Index of refraction at 15 degrees C....	Iodin Number.	Saponification Number.. ..	Specific Gravity at 60 deg. F.
221	.....	1.46827	90.5	190.0	.915106
222	Extra Refined California Olive Oil, J. Revalk, San Francisco.....	1.47230	104.6	192.8	.920916
223	Fine Lucca Oil, Lucca Oil Co., London..	1.47230	108.3	194.9	.923564
224	Huile Vierge Surfine Raffinee, De Bossel Fils, Marseille.....	1.47230	109.9	193.5	.919643
225	.....	1.47184	82.8	188.6	.915704
230	.....	1.46948	89.7	188.6	.916720
231	.....	1.46873	90.5	187.9	.917599
232	.....	1.46709	92.4	188.6	.914022
233	.....	1.46949	92.1	189.3	.917133
234	.....	1.46860	88.5	187.2	.916763
235	.....	1.46864	87.8	189.3	.914317
236	.....	1.46758	91.7	188.6	.916647
237	.....	1.46879	89.0	188.8	.916846
238	.....	1.46879	89.9	187.9	.916490
249	Extra Quality Huile d'Olive, A. Durand & Fils, Bordeaux.....	1.47374	112.6	194.1	.921866
251	.....	1.46914	82.4	189.3	.915662
253	.....	1.47120	82.3	188.7	.915239
255	.....	1.46793	81.4	190.4	.916257
257	.....	1.46847	82.1	191.0	.915932
259	Extra Quality Huile Vierge, A. Durand & Fils, Bordeaux.....	1.47385	115.7	192.4	.922231
261	.....	1.46805	84.2	187.6	.916065
263	.....	1.46846	84.7	187.9	.915732
266	.....	1.46885	82.3	189.0	.916034
268	.....	1.46875	82.1	190.7	.915704

ANALYSES.

Thermal Degree.....	BAUDOIN'S TEST.	BRULLI'S TEST.	BECHI'S TEST.
43.8	Negative.....	Light lemon yellow.....	Very slight change.....
68.7	Negative.....	Dark orange red.....	Deep reddish brown.....
77.7	Negative.....	Dark orange red.....	Deep reddish brown.....
69.1	Negative.....	Dark orange red.....	Deep reddish brown.....
40.0	Negative.....	Light lemon yellow.....	Slight change.....
42.7	Negative.....	Light orange.....	Slight change.....
43.3	Negative.....	Light orange.....	Slight change.....
43.8	Negative.....	Dark orange..... ..	Slight change.....
42.7	Negative.....	Dark orange.....	No change.....
40.8	Negative.....	Light lemon yellow.....	No change.....
41.6	Negative.....	Light lemon yellow.....	No change.....
44.2	Negative.....	Light orange.....	No change.....
43.3	Negative.....	Not enough sample for all qualitative tests.....	
42.2	Negative.....	Light orange.....	No change.....
68.0	Negative.....	Deep orange red.....	Dark red.....
39.4	Negative.....	Lemon yellow.....	Lemon yellow.....
37.5	Negative.....	Lemon yellow.....	Lemon yellow.....
40.5	Negative.....	Lemon yellow.....	Lemon yellow.....
40.5	Negative.....	Lemon yellow.....	Lemon yellow.....
70.0	Negative.....	Dark orange red.....	Dark orange red.....
40.8	Negative.....	Dark lemon yellow.....	Reddish yellow.....
39.7	Negative.....	Light lemon yellow.....	Lemon yellow.....
42.7	Negative.....	Light lemon yellow.....	Lemon yellow.....
40.2	Negative.....	Light lemon yellow.....	Lemon yellow.....

OLIVE OIL

No.	DESCRIPTION OF ARTICLE.	HAUCHECORN'S TEST.	H_2SO_4 and HNO_3 TEST.
221	.....	Light lemon yellow...	Dark yellow.....
222	Extra Refined California Olive Oil, J. Revalk, San Francisco.....	Deep orange.....	Dark red.....
223	Fine Lucca Oil, Lucca Oil Co., London..	Dark red.....	Dark red.....
224	Huile Vierge Surfine Raffinee, De Bossel Fils, Marseille.....	Deep orange.....	Dark red.....
225	.....	Dark lemon yellow....	Light yellow.....
230	.....	Light lemon yellow....	Light yellow.....
231	.....	Light lemon yellow....	Light yellow.....
232	.....	Orange.....	Light straw.....
233	.....	Orange.....	Dark straw.....
234	.....	Lemon yellow.....	Dark straw.....
235	.....	Light lemon yellow....	Light yellow.....
236	.....	Light orange.....	Light straw.....
237	.....	.....	.....
238	.....	Light lemon yellow....	Light yellow.....
249	Extra Quality Huile d'Olive, A. Durand & Fils, Bordeaux.....	Deep orange red.....	Dark red.....
251	.....	Light lemon yellow....	Light yellow.....
253	.....	Light lemon yellow....	Light yellow.....
255	.....	Light lemon yellow....	Light yellow.....
257	.....	Light lemon yellow....	Light yellow.....
259	Extra Quality Huile Vierge, A. Durand & Fils, Bordeaux.....	Light orange.....	Dark reddish brown...
261	.....	Light orange.....	Light brown.....
263	.....	Lemon yellow.....	Old straw color.....
266	.....	Lemon yellow.....	Light straw.....
268	.....	Lemon yellow.....	Light straw.....

ANALYSES—CONCLUDED.

SPECTROSCOPIC ABSORPTION.			REMARKS.
Red.	Orange.	Green.	
Strong	Distinct	Distinct	Olive oil.
Distinct, narrow	None	None	Cottonseed oil with about 3 per cent. mustard oil.
Faint	None	None	Cottonseed oil with about 5 per cent. mustard oil.
None	None	None	Cottonseed oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
Strong	Faint	Distinct	Olive oil.
None	None	None	Cottonseed oil.
Distinct	None	Distinct	Olive oil.
Strong	None	Distinct	Olive oil.
Distinct	None	Faint	Olive oil.
Distinct	None	Distinct	Olive oil.
None	None	None	Cottonseed oil.
Strong	Very faint	None	Olive oil.
Very distinct	None	Very distinct	Olive oil.
Distinct	None	Faint	Olive oil.
Distinct	None	Distinct	Olive oil.

OLIVE OIL

No.	DESCRIPTION OF ARTICLE	Index of refraction at 15 degrees 5 C....	Iodin Number.	Saponification Number.....	Specific Gravity at 60 deg. F.
270	Pure Virgin Italian Olive Oil, D. Bertondi, Lucca, Italy.....	1.47229	112.0	191.4	.921999
272	.....	1.46973	82.9	191.9	.916203
274	.....	1.46982	84.1	189.6	.916025
277	Pure Virgin Italian Olive Oil, D. Bertondi, Lucca, Italy.....	1.47229	112.6	191.7	.920234
279	.....	1.46757	82.6	188.6	.915850
281	.....	1.46909	84.0	190.4	.915801
283	.....	1.46909	81.8	190.3	.915911
285	.....	1.46973	82.0	192.1	.916280
287	Extra Sublime Cream Lucca Olive Oil..	1.47292	99.6	194.2	.919393
289	.....	1.47037	84.3	191.3	.916237
291	.....	1.47068	80.8	190.7	.915763
295	.....	1.47011	81.0	192.1	.915852
297	.....	1.47037	81.5	192.8	.916077
299	.....	1.47100	81.9	192.1	.916886
302	Huile Vierge Surfine Raffinee, De Bossei Fils, Marseille.....	1.47484	112.8	195.6	.921956
306	.....	1.47100	83.4	192.1	.916482
308	Fine Lucca Oil, Puritan Oil Co., London..	1.47484	113.3	194.9	.922185
310	.....	1.46973	81.7	191.1	.916232
312	Fine Lucca Oil, Dominico Gianini, Naples, Italy	1.47354	114.0	196.3	.922208
314	.....	1.46973	85.4	189.7	.916097
316	Extra Quality Huile d'Olive, A. Durand & Cie, Bordeaux.....	1.47230	111.0	194.9	.918835
318	.....	1.46846	85.9	189.2	.916173
320	.....	1.46909	83.6	189.2	.916117

ANALYSES—CONTINUED.

Thermal Degree.....	BAUDOIN'S TEST.	BRULLI'S TEST.	BECHI'S TEST.
71.3	Negative.....	Dark orange red.....	Dark orange red.....
37.7	Negative.....	Lemon yellow.....	Lemon yellow.....
40.5	Negative.....	Lemon yellow.....	Dark lemon yellow.....
68.0	Negative.....	Dark orange red.....	Dark red.....
38.0	Negative.....	Lemon yellow.....	Lemon yellow.....
39.7	Negative.....	Lemon yellow.....	Lemon yellow.....
38.0	Negative.....	Lemon yellow.....	Lemon yellow.....
38.6	Negative.....	Lemon yellow.....	Light lemon yellow.....
54.7	Negative.....	Dark orange red.....	Very dark red.....
44.7	Negative.....	Deep lemon yellow.....	Light lemon yellow.....
40.0	Negative.....	Light lemon yellow.....	Light lemon yellow.....
39.4	Negative.....	Light lemon yellow.....	Light lemon yellow.....
41.6	Negative.....	Light lemon yellow.....	Light red (duplic).....
40.2	Negative.....	Dark orange red.....	Light lemon yellow.....
72.0	Negative.....	Dark orange red.....	Very dark red.....
40.5	Negative.....	Light reddish yellow.....	Yellowish red (duplic).....
70.5	Negative.....	Dark orange red.....	Very dark red.....
41.1	Negative.....	Light lemon.....	Reddish yellow (dup.).....
75.8	Negative.....	Dark orange red.....	Very dark red.....
40.5	Negative.....	Lemon yellow.....	Light lemon yellow.....
66.1	Negative.....	Dark red.....	Very dark red.....
44.4	Negative.....	Lemon yellow.....	No change.....
40.0	Negative.....	Lemon yellow.....	No change.....

OLIVE OIL

No.	DESCRIPTION OF ARTICLE.	HAUCHECORN'S TEST.	H_2SO_4 and HNO_3 TEST.
270	Pure Virgin Italian Olive Oil, D. Bertondi, Lucca, Italy	Dark orange	Light reddish brown.
272		Dark lemon yellow	Dark straw
274		Dark lemon yellow	Dark straw
277	Pure Virgin Italian Olive Oil, D. Bertondi, Lucca, Italy	Light orange red	Dark red
279		Dark lemon yellow	Dark straw
281		Dark lemon yellow	Dark straw
283		Dark lemon yellow	Dark straw
285		Light lemon yellow	Dark straw
287	Extra Sublime Cream Lucca Olive Oil	Dark orange red	Dark red
289		Light lemon yellow	Dark straw
291		Light lemon yellow	Dark straw
295		Light lemon yellow	Dark straw
297		Light lemon yellow	Dark straw
299		Light lemon yellow	Light straw
302	Huile Vierge Surfine Raffinee, De Bossel Fils, Marseille	Dark orange	Dark red
306		Lemon yellow	Light straw
308	Fine Lucca Oil, Puritan Oil Co., London	Dark orange	Dark red
310		Dark lemon yellow	Dark straw
312	Fine Lucca Oil, Dominico Gianini, Naples, Italy	Dark orange	Dark red
314		Light lemon yellow	Light straw
316	Extra Quality Huile d'Olive, A. Durand & Cie, Bordeaux	Dark orange red	Dark brownish red
318		Lemon yellow	Dark straw
320		Lemon yellow	Light straw

ANALYSES—CONCLUDED.

SPECTROSCOPIC ABSORPTION.			REMARKS.
Red.	Orange.	Green.	
Distinct	None	None	Cottonseed oil with about 5 per cent. mustard oil.
Distinct	None	Faint	Olive oil.
Distinct	Weak	Distinct	Olive oil.
Weak	None	None	Cottonseed oil with about 5 per cent. mustard oil.
Strong	None	Distinct	Olive oil.
Strong	None	Distinct	Olive oil.
Strong	Weak	Distinct	Olive oil.
Distinct	Faint	Distinct	Olive oil.
Distinct	None	None	Cottonseed oil with about 5 per cent. mustard oil.
Distinct	None	None	Olive oil.
None	None	None	Olive oil.
Distinct	None	None	Olive oil.
Strong	Strong	Strong	Olive oil.
Heavy	Slight	Slight	Olive oil.
None	None	None	Cottonseed oil.
Heavy	Distinct	Distinct	Olive oil.
Distinct	None	None	Cottonseed oil with about 10 per cent. mustard oil.
Heavy	Distinct	Distinct	Olive oil.
None	None	None	Cottonseed oil.
Heavy	Prominent	Prominent	Olive oil.
None	None	None	Cottonseed oil.
Rather heavy	None	Slight	Olive oil.
Rather heavy	None	Slight	Olive oil.

OLIVE OIL

No.	DESCRIPTION OF ARTICLE.	Index of refraction at 15 degrees C....	Iodin Number.	Saponification Number.....	Specific Gravity at 60 deg. F.
324	.....	1.46973	83.3	190.3	.916775
326	.....	1.47024	82.9	191.1	.916163
330	.....	1.47037	82.5	190.0	.916815
332	Huile d'Olive Surfine Raffinee, De Bossel Fils, Marseille.....	1.47484	111.3	192.8	.921437
337	Extra Quality Huile d'Olive, A. Durand & Cie, Bordeaux.....	1.47424	116.2	192.8	*
339	Huile d'Olive, J. D. Luvet, Bordeaux....	1.47421	117.6	194.5	.921826
340	Fine Salad Oil, Phila. Mfg. Co., S. F....	1.47459	111.2	192.4	.919490
342	Eagle Salad Oil, Cal. Oil Refinery, S. F...	1.47293	115.9	192.5	.921531
344	Huile d'Olive Surfine Raffinee, Vidoq, Marseille	1.47484	114.6	192.0	.922052
346	Extra Refined California Olive Oil, J. Revalk, San Francisco.....	1.47293	103.6	191.1	.920386
351	.....	1.46782	74.9	191.3	.915647
352	.....	1.47354	111.2	186.5	.907312
353	.....	1.47352	97.9	174.6	.914880
354	.....	1.46975	97.1	188.2	.918259

*Not enough for determination.

ANALYSES—CONCLUDED.

Thermal Degree	BAUDOIN'S TEST.	BRULLI'S TEST.	BECHI'S TEST.
40.5	Negative	Light lemon yellow	Light lemon yellow
42.7	Negative	Light lemon yellow	Light lemon yellow
39.1	Negative	Light lemon yellow	Light lemon yellow
69.4	Negative	Dark red	Very dark red
70.2	Negative	Dark red	Very dark red
60.0	Negative	Dark red	Very dark red
66.3	Negative	Dark red	Very dark red
72.0	Negative	Dark orange red	Dark brown
72.2	Negative	Very dark orange red	Dark brown
58.0	Negative	Dark orange red	Dark brown
38.3	Negative	Light lemon yellow	Dark reddish brown
62.2	Crimson	Orange red	Greenish yellow
51.1	Negative	Dark orange red	Dark red
55.5	Negative	Dark orange red	Dark reddish brown

OLIVE OIL

No.	DESCRIPTION OF ARTICLE.	HAUCHECORN'S TEST.	H_2SO_4 and HNO_3 TEST.
324	.....	Light lemon yellow....	Old straw.....
326	.....	Light lemon yellow....	Old straw.....
330	.....	Light lemon yellow....	Old straw.....
332	Huile d'Olive Surfine Raffinee, De Bossel Fils, Marseilles.....	Dark orange red.....	Dark brownish red....
337	Extra Quality Huile d'Olive, A. Durand & Cie, Bordeaux.....	Dark red.....	Very dark brown red
339	Huile d'Olive, J. D. Luvet, Bordeaux....	Dark orange red.....	Dark brownish red....
340	Fine Salad Oil, Phila. Mfg. Co., S. F....	Dark orange red.....	Dark brownish red....
342	Eagle Salad Oil, Cal. Oil Refinery, S. F...	Dark orange....	Dark brownish red....
344	Huile d'Olive Surfine Raffinee, Vidoq, Marseille	Very dark orange red.	Dark brownish red....
346	Extra Refined California Olive Oil, J. Revalk, San Francisco.....	Dark orange....	Dark brownish red....
351	.....	Light lemon yellow...	Dark brownish red....
352	.....	Deep orange red.....	Dark orange red.....
353	.....	Dark orange red.....	Dark red.....
354	.....	Dark lemon to light orange.....	Light brown.....

ANALYSES—CONCLUDED.

SPECTROSCOPIC ABSORPTION.			REMARKS.
Red.	Orange.	Green.	
Heavy	Distinct	Distinct	Olive oil.
Heavy	Distinct	Distinct	Olive oil.
Strong	Weak	Distinct	Olive oil.
Very faint	None	None	Cottonseed oil with about 5 per cent. mustard oil.
None	None	None	Cottonseed oil.
Very faint	None	None	Cottonseed oil.
Very faint	None	None	Cottonseed oil.
Very faint	None	None	Cottonseed oil.
Weak	None	None	Cottonseed oil.
Moderate strong	None	None	Cottonseed oil with about 5 per cent. mustard oil.
None	None	None	
None	None	None	
Strong	Strong	Strong	
Distinct	Distinct	Distinct	

BLACK

Thirty-two samples of black pepper were submitted and analyzed. of samples analyzed, 9, or 28 per cent., were found to be pure pepper. as is seen by reference to the table of analyses:

BLACK PEPPER

No.	DESCRIPTION OF SAMPLE.	BY WHOM MANUFACTURED.	FROM WHOM PURCHASED.
1	Champion Strictly Pure Pepper	Jones Paddock Co., 26-28 Front street	E. & G. Getz, 107 Sixth
2	Levin's Extra Pepper		Levin Bros., 134 Sixth
3	Cliff House Pepper	Western M'f'g Co., S. F.	Wright & Gaw, 206 Sixth
4			
5			
6			
7			
8	Champion Strictly Pure Pepper	Jones Paddock Co., 26-28 Front street	Crowe & Hutchinson, 249 3rd
9	Continental Spices Pepper		J. Joost, 138 Third
10	Strictly Pure Ground Pepper.		Montgomery & Co., 118 3rd
11	Thistle Brand Pure Pepper		Cluff Bros., 40-42 Fourth
12	Our Favorite Strictly Pure Pepper	Columbia M'f'g Co., S. F.	Co-operative Co., 110 Fourth
13	McCarthy Bros. Best Ground Pepper	McCarthy Bros., 113 Front	M. J. Dempsey, 215 Fourth
14	Red Seal Roller Process Pepper		J. & H. Knubel, 701 Hyde
15			

PEPPER.

The results are set forth in the following table. Of the total number
The remaining 23 samples were more or less mixed with wheat flour,

ANALYSES.

OLEORESIN.....	PIPERINE.....	ASH.....	P_2O_5 IN ASH.	MICROSCOPICAL EXAMINATION.	REMARKS.
2.95	3.60	3.90	15.66	Wheat starch small.	Contains small amount wheat flour
4.06	1.69	4.26	25.73	Wheat starch consid.	Contains consid. am't wheat flour
2.17	3.13	3.06	21.42	Wheat starch consid.	Contains consid. am't wheat flour
2.24	2.68	4.00	10.37	.....	Is inferior grade, otherwise pure
2.25	3.25	3.56	10.33	.....	Pure Black Pepper
2.36	3.66	3.96	9.65	.....	Pure Black Pepper
2.44	2.90	3.76	11.02	.....	Pure Black Pepper
3 01	2.50	4.22	12.97	Wheat starch consid.	Contains consid. am't wheat flour
4.60	1.43	3.60	27.36	Wheat starch heavy.	Contains large amount wheat flour
2.71	4.66	3.80	10.53	Wheat starch small.	Contains small amount wheat flour
2.62	4.27	3.97	9.89	Wheat starch small.	Contains small amount wheat flour
4.53	1.00	5.20	23.12	Wheat starch v. h'vy.	Contains large amount wheat flour
4.40	2.37	4.20	24.30	Wheat starch v. h'vy.	Contains large amount wheat flour
3.02	4.70	4.05	9.63	Wheat starch small.	Contains small amount wheat flour
3.27	5.15	3.72	10.92	.....	Pure Black Pepper

BLACK PEPPER

	DESCRIPTION OF SAMPLE.	BY WHOM MANUFACTURED.	FROM WHOM PURCHASED.
16	Blue Seal Roller Process Pepper compound.....	.....	Holzhausen & Bro., 633 Larkin .....
17	Gilt Edge Pepper.....	Washington M'f'g Co., 17-19 Front street.....	C. H. Venker & Co., Geary and Hyde.....
18	.....	.....	.....
19	Black Pepper.....	.....	Bibo, Newman & Ikenberg, 1441 Polk.....
20	Pepper	.....	Browning, Pine and Larkin..
21	.....	.....	.....
22	.....	.....	.....
23	.....	.....	.....
24	Strictly Pure Spices Pepper..	.....	Bunneister, Bush and Polk..
25	Blue Seal Roller Process Pepper compound.....	.....	Heide & Pfahlert, 1600-02 Larkin .....
26	Pepper	Enterprise Mills.....	Chas. Alleman, 1126 Larkin...
27	Strictly Pure Spices.....	.....	H. C. Schultze, Post-Larkin..
28	A. Simon Best Pepper.....	.....	A. Simon, Larkin-O'Farrell..
29	Phoenix Pure Pepper.....	Thierbach & Kroeger, 306-308 Battery street.....	The Carroll Co., 1311 Polk.....
30	Blue Seal Roller Process Pepper compound.....	Eagle Manufacturing Co.....	F. W. Reichers, 601 Larkin..
31	Challenge Ground Pepper....	.....	Sandbeck & Sverdrup, 1001 Larkin .....
32	Tellichery Pepper.....	Tillman & Bendel, S. F.....	Claus Alpers, Pine and Polk..

ANALYSES—CONCLUDED.

OLEORESIN.....	PIPERINE.....	ASH	P_2O_5 IN ASH....	MICROSCOPICAL EXAMINATION.	REMARKS.
3.83	3.67	4.24	12.89	Wheat starch consid.	Contains consid. am't wheat flour
3.37	3.67	3.56	11.13	Wheat starch small.	Contains small amount wheat flour
2.47	3.70	3.80	9.58	.....	Pure Black Pepper
3.22	3.25	3.44	11.71	Wheat starch small.	Contains small amount wheat flour
5.10	1.41	5.31	18.41	Wheat starch v. h'vy.	Contains consid. am't wheat flour
3.30	4.88	3.97	9.66	.....	Pure Black Pepper
3.24	5.24	3.89	8.44	.....	Pure Black Pepper
3.57	5.19	4.71	13.83	.....	Pure Black Pepper
3.72	3.64	4.38	16.94	Wheat starch consid	Contains consid. am't wheat flour
3.85	3.32	3.65	17.17	Wheat starch consid.	Contains consid. am't wheat flour
4.56	2.48	4.29	24.83	Wheat starch v. h'vy.	Contains large amount wheat flour
3.51	3.77	4 32	23.46	Wheat starch v. h'vy.	Contains consid. am't wheat flour
4.50	2.27	5.04	20.05	Wheat starch v. h'vy.	Contains consid. am't wheat flour
3.08	5.42	3.65	10.05	Wheat starch small.	Contains small amount wheat flour
4.00	3.10	3.59	19.66	Wheat starch heavy.	Contains consid. am't wheat flour
4.51	1.80	4.48	27.98	Wheat starch v. h'vy.	Contains v. large am't wheat flour
3.03	4.98	3.67	12.19	Wheat starch small.	Contains small amount wheat flour

TEA AND COFFEE.

On account of lack of proper facilities, no chemical or physical analyses of tea and coffee have been made, although some sixteen samples were submitted.

Such disposition as has been made of those samples submitted is shown in the accompanying table:

TEA AND COFFEE ANALYSIS.

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	REMARKS.
45	Uncolored Japan Tea.	.....	No facilities for analysis of tea.
73	Black Tea.....	.....	No facilities for analysis of tea.
76	Black Tea.....	.....	No facilities for analysis of tea.
197	Black Tea.....	.....	No facilities for analysis of tea.
198	Black Tea.....	.....	No facilities for analysis of tea.
199	Black Tea.....	.....	No facilities for analysis of tea.
201	Black Tea.....	.....	No facilities for analysis of tea.
202	Black Tea.....	.....	No facilities for analysis of tea.
203	Black Tea.....	.....	No facilities for analysis of tea.
196	Green Tea.....	.....	No facilities for analysis of tea.
210	Green Tea.....	.....	No facilities for analysis of tea.
200	Gunpowder Tea.....	.....	No facilities for analysis of tea.
72	Roasted Coffee.....	.....	Pure.
211	Roasted Coffee.....	House of Correction..	Screenings of coffee.
407	Roasted Coffee.....	.....	Pure.
602	Roasted Coffee.....	Almshouse.....	Costa Rica coffee, inferior grade.

TOXICOLOGICAL ANALYSES.

Fifteen cases of suspected poisoning were investigated. The examinations showed that there was no cause for complaint in a single case. The following is the tabulated statement of the analyses:

TOXICOLOGICAL ANALYSES.

No.	DESCRIPTION OF SAMPLE.	SUBMITTED BY.	RESULT OF ANALYSES.
218	Canned Hominy.....	John Doe.....	No metallic poison.
228	Bread.....	Officer Anderson.....	Contains no poisons.
206	Milk.....	Otto Makowsky.....	Contains no tyro-toxicon.
583	Coffee and Milk.....	Board of Supervisors..	Contains no poisons.
591	Condensed Milk.....	Henry Praugeur.....	Contains no poisons.
595	Butter.....	Henry Hollman.....	Accidental coloring matter.
646	Milk.....	Dr. A. P. O'Brien.....	Contains no tyro-toxicon.
372	Raspberry Jelly.....	De Witt & Co.....	Contains no lead or tin.
138	Fresh Strawberries....	J. P. Dockery	Contains no arsenic.
139	Fresh Strawberries....	J P. Dockery	Contains no arsenic.
140	Fresh Strawberries....	J. P. Dockery	Contains no arsenic.
141	Fresh Strawberries....	J. P. Dockery	Contains no arsenic.
142	Fresh Strawberries....	J. P. Dockery	Contains no arsenic.
143	Fresa Strawberries....	J. P. Dockery	Contains no arsenic.
144	Fresh Strawberries....	J. P. Dockery	Contains no arsenic.

VINEGAR.

One hundred and nine samples of vinegar of different kinds were analyzed, embracing 45 samples of Cider Vinegar, 56 samples of White Wine Vinegar, 7 samples of Red Wine Vinegar and 1 sample of Malt Vinegar.

Of this total number, 15 samples were found to be as represented, an equivalent of only 13 per cent.

Of the separate kinds, 9 samples of Cider Vinegar or 20 per cent. were found to be Pure Cider Vinegar; 4 samples or 7 per cent. were was pure, showing a percentage of 14 in 100. The one sample of Malt found to be pure White Wine Vinegar; 1 sample of Red Wine Vinegar Vinegar was pure.

The bulk of the adulterated samples was found to be made up of matter. Several samples were made from fruit refuse. A few samples

It seems remarkable that a dearth of pure wine vinegar could be such a statement.

The same could be said, but to a smaller extent, in regard to Cider

ANALYSES OF

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Acid as Acetic..	Total Solids....
250	Wht. wine vinegar	E. W. Buck, N. E. Cor. Hayes and Gough.	3.54	.27
252	Cider vinegar.....	L. Lebenbaum & Co., Sutter St.....	4.36	.72
254	Cider vinegar.....	.....	4.68	1.44
256	Cider vinegar.....	H. Holman (Royal Tea Co.), 2805 Mission	5.15	.18
258	Cider vinegar.....	.....	4.58	1.64
260	Cider vinegar.....	Saudbeck & Sverdrup, 1001 Larkin street..	3.84	.19
262	Cider vinegar.....	Stultz Bros., 1931 Fillmore street.....	4.53	.14
264	Cider vinegar.....	R. G. Schroeder, S. W. Clay and Fillmore.	6.48	.72
267	Cider vinegar.....	D. Von der Mehden, Mission and Fourth..	4.35	.59
269	Cider vinegar.....	M. B. Ward, Post and Devisadero streets.	5.10	.17
271	Cider vinegar.....	Henry Waller, 1701 Devisadero street....	5.82	.24
273	Cider vinegar.....	.....	4.72	1.27
275	Cider vinegar.....	Montgomery & Co., 1645 Polk street.....	5.31	.39
278	Cider vinegar.....	F. W. Meyer & Co., Devisadero and Geary.	5.40	.74
280	Cider vinegar.....	.....	5.61	1.57
282	Cider vinegar.....	B. Donnelly, N. W. Bush and Fillmore..	4.76	.52
284	Cider vinegar.....	.....	5.91	1.59
286	Cider vinegar.....	A. Shawl, N. E. Devisadero and Bush sts.	2.88	2.81
288	Cider vinegar.....	A. Simon, 801 Larkin street.....	5.46	.61
290	Cider vinegar.....	W. Boyer, 835 Hayes street.....	7.56	.34
292	Cider vinegar.....	H. Schlesselman & Co., 1300 Hayes street.	5.55	.65
296	Cider vinegar.....	Downing Bros., 1100 Devisadero street....	4.02	.60

Spirit Vinegar, some of which were colored with foreign coloring were pure vinegar, but had been watered.
found in California, but the analyses made would seem to bear out

Vinegar.

VINEGAR.

Ash	Water and fat at 100 deg. C.	REACTION ASH.	PHOSPHORIC ACID.	REMARKS.
.05	99.68	Neutral	Traces	Spirit v'gar, acid weak, colored
.11	99.17	Alkaline	Fair	Not cider vinegar.
.33	98.23	Quite alkaline	Considerable	Cider vinegar.
.05	99.77	Slightly alkaline	Slight	Spirit vinegar, colored.
.29	98.07	Slightly alkaline	Considerable	Cider vinegar.
.06	99.75	Neutral	Slight	Spirit vinegar, acid weak.
.04	99.82	Quite alkaline	Fair	Spirit vinegar, colored.
.10	99.18	Quite alkaline	Small	Not cider vinegar.
.12	99.29	Quite alkaline	Small	Not cider vinegar.
.06	99.77	Alkaline	Small	Spirit vinegar.
.07	99.69	Alkaline	Small	Spirit vinegar, colored.
.38	98.35	Very alkaline	Considerable	Cider vinegar,
.06	99.55	Alkaline	Fair	Spirit vinegar, colored.
.12	99 14	Very alkaline	Fair	Not cider vinegar.
.27	98.16	Very alkaline	Considerable	Cider vinegar.
.09	99.39	Quite alkaline	Good	Not cider vinegar.
.29	98.12	Very alkaline	Considerable	Cider vinegar.
.05	97.14	Neutral	Good	Not cider vinegar, acid weak.
.09	99.30	Quite alkaline	Heavy	Not cider vinegar.
.03	99.63	Quite alkaline	Faint	Spirit vinegar.
.03	99.32	Quite alkaline	Faint	Spirit vinegar, colored.
.09	99.31	Alkaline	Faint	Spirit vinegar, colored.

ANALYSES OF

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED	Acid as Acetic...	Total Solids....
298	Cider vinegar.....	Gallagher Bros., 1811 Devisadero street..	4.95	.46
300	Cider vinegar.....	.....	5.23	1.46
303	Cider vinegar.....	J. J. Carroll, S. E. Fell and Webster sts..	4.10	.14
304	Cider vinegar.....	J. Hurley, S. E. Hayes and Webster sts..	4.53	.16
307	Cider vinegar.....	.....	5.07	1.32
309	Cider vinegar.....	Bruce Bros., 1247 Folsom street.....	5.79	.31
311	Cider vinegar.....	McCoy & Nesbitt, 3002 Sixteenth street..	4.71	.31
313	Cider vinegar.....	John J. Moran, 2931 Sixteenth street.....	5.09	.29
315	Cider vinegar.....	Wm. H. Armstrong, 1723 Market street..	6.06	.53
317	Cider vinegar.....	J. Hough, 3999 Seventeenth street.....	2.85	.57
319	Cider vinegar.....	F. W. Riechers, 601 Larkin street.....	4.32	.24
321	Cider vinegar.....	J. H. Claussen, N. E. Taylor and Geary..	5.31	.16
325	Cider vinegar.....	Stultz Bros., Sixteenth and Valencia sts..	5.49	.24
327	Cider vinegar.....	J. H. & H. Mangels, 237-239 Hayes street..	7.23	.21
331	Cider vinegar.....	Fred Stuermer, 1320 Fillmore street.....	4.23	.23
334	Cider vinegar.....	Irvine Bros., 1421 Stockton street.....	6.90	.52
336	Cider vinegar.....	I. L. Phillips, 71 Ninth street.....	4.10	.52
338	Cider vinegar.....	Wallmann Bros., 1743 Ellis street.....	4.50	.36
341	Cider vinegar.....	Bernard F. Bruse, 1061 Golden Gate Ave..	4.28	.13
343	Cider vinegar.....	.....	4.71	1.36
345	Cider vinegar.....	Herman Gaerdes, 1825 Powell street.....	3.90	.20
347	Cider vinegar.....	Roehr & Eggers, Fourteenth street.....	4.23	.53
348	Cider vinegar.....	State Prison, San Quentin.....	4.15	1.79
402	Cider vinegar.....	.....	6.18	2.02
383	Malt vinegar.....	.....	5.61	3.88
403	Vinegar.....	Board of Supervisors, Sup. to Pub Inst..	3.06	.32
34	Wht. wine vinegar	R. G. Schroeder, cor. Fillmore and Clay..	7.23	.15
35	Wht. wine vinegar	.....	4.47	1.63

VINEGAR—CONTINUED.

Ash	Water and loss at 100 deg. C.	REACTION ASH.	PHOSPHORIC ACID.	REMARKS.
.08	99.46	Alkaline	Faint	Spirit vinegar, colored.
.37	98.17	Quite alkaline	Heavy	Cider vinegar.
.04	99.82	Alkaline	Light	Spirit vinegar.
.04	99.80	Alkaline	Light	Spirit vinegar.
.34	98.34	Very alkaline	Heavy	Cider vinegar.
.10	99.59	Alkaline	Light	Spirit vinegar, colored.
.08	99.61	Alkaline	Good	Spirit vinegar, colored.
.07	99.64	Alkaline	Light	Spirit vinegar, colored.
.11	99.36	Alkaline	Small	Not cider vinegar.
.14	99.29	Very alkaline	Considerable	Not cider vinegar, acid deficient.
.07	99.69	Alkaline	Considerable	Spirit vinegar, colored.
.05	99.79	Alkaline	Good	Spirit vinegar, colored.
.03	99.73	Alkaline	Light	Spirit vinegar, colored.
.03	99.76	Alkaline	Good	Spirit vinegar, colored.
.05	99.72	Quite alkaline	Slight	Spirit vinegar, colored.
.12	99.36	Alkaline	Heavy	Not cider vinegar.
.13	99.35	Very alkaline	Fair	Not cider vinegar.
.06	99.58	Quite alkaline	Faint	Not cider vinegar.
.08	99.79	Very alkaline	Fair	Spirit vinegar, colored.
.10	98.54	Very alkaline	Fair	Cider vinegar.
.05	99.75	Alkaline	None	Spirit vinegar, acid weak.
.11	99.31	Alkaline	Fair	Not cider vinegar.
.34	97.87	Very alkaline	Considerable	Cider vinegar, colored.
.28	97.70	Very alkaline	Heavy	Cider vinegar.
.22	95.90	Very alkaline	Heavy	Malt vinegar.
.07	99.61	Alkaline	Faint	Spirit vinegar, colored.
.03	99.82	Alkaline	Small	Spirit vinegar.
.36	98.01	Very alkaline	Very heavy	Pure wine vinegar.

ANALYSES OF

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Acid as Acetic..	Total Solids..
36	Red wine vinegar	H. Schroder & Co., 2420 California street..	5.73	.30
37	Wht. wine vinegar	J. C. Nobman, California and Fillmore..	7.26	.14
38	Wht. wine vinegar	Rosenstein & Schoenholz, Geary and Oct'a	7.41	.15
39	Wht. wine vinegar	B. Donnelly, Bush and Fillmore streets..	4.86	.14
40	Wht. wine vinegar	J. Robinson & Co., 1635 Post street.....	7.20	.13
41	Wht. wine vinegar	Otto Gramlow, S. E. Sutter and Laguna.	4.98	.15
42	Wht. wine vinegar	.....	4.35	1.64
43	Red wine vinegar	Julius Feiss & Co., S. E. Polk and Ellis..	5.13	.15
44	Wht. wine vinegar	C. H. Hoecker & Co., Polk and O'Farrell.	6.06	.46
45	Wht. wine vinegar	J. H. Witte, 1600 Bush street.....	4.83	.18
46	Wht. wine vinegar	Claus Otter, Post and Octavia streets....	6.90	.15
47	Wht. wine vinegar	F. A. Kaiser, 942 Fillmore street.....	8.67	.21
48	Wht. wine vinegar	E. J. Hons, S. W. McAllister and Webster.	4.65	.28
49	Wht. wine vinegar	E. Rohde & Co., 1003 McAllister.....	4.65	.43
50	Wht. wine vinegar	E. A. Hoenboken, 901 McAllister street..	7.17	.14
51	Wht. wine vinegar	Wreden & Hencken, McAllister & Fr'kl'n.	6.12	.10
52	Wht. wine vinegar	J. Lilliathal & Co., McAllister & V. Ness.	5.94	.16
53	Wht. wine vinegar	Mohrman & Diercks, Van Ness and Turk.	5.25	.10
54	Wht. wine vinegar	J. Vollmer & Co., 737 Turk street.....	4.47	.30
55	Wht. wine vinegar	J. Falk, 234 Van Ness.....	6.75	.16
56	Wht. wine vinegar	J. H. C. Baden, Devisadero and Fell....	4.47	.78
57	Wht. wine vinegar	H. Schlussilmann, Hayes and Devisadero.	5.10	.16
58	Wht. wine vinegar	Dannemarc & Whordru, Page and Scott..	7.29	.17
59	Wht. wine vinegar	Peters Bros., 798 Haight street.....	4.56	.55
60	Wht. wine vinegar	Julius Berendsen, Devisadero and Fulton.	5.28	.45
61	Wht. wine vinegar	H. C. Becker, Fillmore and Fulton streets.	6.63	.25
62	Wht. wine vinegar	F. Koch, Buchanan and Fulton streets..	4.71	.32
63	Red wine vinegar	D. F. Burke, Van Ness and Fulton.....	5.49	.20

VINEGAR—CONTINUED.

Ash	Water and loss at 100 deg. C.	REACTION ASH.	PHOSPHORIC ACID.	REMARKS.
.05	99.65	Faintly alkaline....	Small.....	Mixed vinegar.
.03	99.83	Alkaline.....	Very small.....	Spirit vinegar.
.03	99.82	Faintly alkaline....	Traces.....	Spirit vinegar.
.04	99.82	Alkaline.....	Very small.....	Spirit vinegar.
.03	99.84	Alkaline.....	Very small.....	Spirit vinegar.
.09	99.76	Alkaline.....	Small.....	Spirit vinegar.
.18	98.18	Very alkaline.....	Very heavy.....	Pure wine vinegar.
.02	99.83	Alkaline.....	Small.....	Spirit vinegar, colored.
.05	99.49	Alkaline.....	Fair.....	Mixed vinegar.
.05	99.77	Alkaline.....	Small.....	Spirit vinegar, colored.
.03	99.82	Alkaline.....	Small.....	Spirit vinegar.
.04	99.75	Alkaline.....	Small.....	Spirit vinegar.
.06	99.66	Alkaline.....	Fair.....	Mixed vinegar.
.09	99.48	Quite alkaline.....	Good.....	Mixed vinegar.
.03	99.83	Alkaline.....	Small.....	Spirit vinegar.
.03	99.87	Alkaline.....	Small.....	Spirit vinegar.
.06	99.78	Alkaline.....	Small.....	Spirit vinegar, colored.
.02	99.88	Alkaline.....	Small.....	Spirit vinegar.
.06	99.64	Alkaline.....	Very small.....	Mixed vinegar.
.05	99.79	Alkaline.....	Small.....	Spirit vinegar.
.13	99.09	Alkaline.....	Heavy.....	Not pure wine vinegar, colored.
.03	99.81	Alkaline.....	Good.....	Mixed vinegar.
.04	99.79	Alkaline.....	Good.....	Mixed vinegar.
.07	99.38	Alkaline.....	Good.....	Not pure wine vinegar, colored.
.07	99.48	Alkaline.....	Fair.....	Not pure wine vinegar, colored.
.06	99.69	Alkaline.....	Good.....	Not pure wine vinegar, colored.
.07	99.61	Alkaline.....	Good.....	Not pure wine vinegar.
.03	99.77	Alkaline.....	Fair.....	Mixed vinegar, colored.

ANALYSES OF

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	Acid as Acetic..	Total Solids....
64	Wht. wine vinegar	Louis Schonefelt, Gough and Fulton....	4.56	.43
65	Wht. wine vinegar	.....	8.94	1.12
66	Wht. wine vinegar	J. J. Meyer, Laguna and Hayes streets..	4.23	.39
67	Wht. wine vinegar	J. H. & H. Mangels, Franklin and Hayes.	6.48	.70
68	Wht. wine vinegar	C. H. Drewes, Polk and Hayes streets..	3.33	.63
69	Wht. wine vinegar	C. W. Thompson, 500-504 Hayes street....	4.20	.29
70	Wht. wine vinegar	Cluff Bros., 401 Hayes street.....	6.54	.18
71	Red wine vinegar	Lawler & Son, Gough and Oak streets....	6.09	.32
72	Wht. wine vinegar	George Schomer, Market and Pearl....	5.16	.11
73	Wht. wine vinegar	M. Bell & Co., 125 Herman street.....	4.83	.14
74	Wht. wine vinegar	Robinson & Knox, 1930 Market street....	4.59	.27
75	Wht. wine vinegar	Mahoney & Mahoney, 1742 Market street..	3.00	.66
76	Wht. wine vinegar	M. Meyerhof, Geary and Mason streets..	5 16	.14
77	Wht. wine vinegar	Meyer & Kohn, 105 Stockton street.....	4.41	.31
78	Wht. wine vinegar	Rathjen Bros., 21 Stockton street.....	4.65	.41
79	Wht. wine vinegar	L. Lebenbaum & Co., 222 Sutter street....	6.54	.29
80	Red wine vinegar	Goldberg, Bowen & Co., 215 Sutter street.	4.98	.26
81	Wht. wine vinegar	C. A. Parkin & Co., 3010 Sixth street....	4.80	.12
82	Wht. wine vinegar	J. E. Thorn, 496 Valencia street.....	4.98	.12
83	Red wine vinegar	.....	5.94	2.07
84	Wht. wine vinegar	J. D. Heise & Co., Valencia and Sixteenth	3.51	.17
85	Wht. wine vinegar	Mrs. Powell, 3039 Sixteenth street.....	3.99	.53
86	W. and R. vinegar	.....	6.00	1.41
87	Red wine vinegar	P. O'Brien, 2044 Howard street.....	4.47	.50
88	Wht. wine vinegar	Fred Rippe, Howard and Sixteenth streets	4.35	.37
89	Wht. wine vinegar	Von de Mehden Bros, Sixteenth and Fism.	4.14	.24
90	Wht. wine vinegar	Bruns Bros., Sixteenth and Mission.....	4.23	.43
411	Wine vinegar.....	Shawl, N. E. Devisadero and Bush.....	4.71	.15
413	Wine vinegar.....	Kruse & Bellmer, S. E. Turk and Larkin.	4.68	.18
414	Wine vinegar.....	Carston J. Hink, S. E. Oak and Laguna..	6.90	.21
557	Wine vinegar.....	Peters Bros.....	4.17	.45

VINEGAR—CONCLUDED.

Ash	Water and loss at 100 deg. C.	REACTION ASH.	PHOSPHORIC ACID.	REMARKS.
.16	99.41	Alkaline	Good	Not pure wine vinegar.
.16	98.72	Alkaline	Heavy	Pure wine vinegar.
.07	99.54	Alkaline	Small	Wine vinegar, watered.
.20	99.10	Alkaline	Heavy	Not pure wine vinegar, colored.
.13	99.24	Alkaline	Heavy	Wine vinegar, watered.
.09	99.62	Quite alkaline	Good	Wine vinegar, watered.
.04	99.78	Alkaline	Small	Spirit vinegar.
.02	99.66	Alkaline	Small	Fruit vinegar, colored.
.02	99.98	Alkaline	Small	Spirit vinegar.
.03	99.83	Alkaline	Small	Spirit vinegar.
.04	99.69	Alkaline	Small	Fruit vinegar.
.19	99.15	Quite alkaline	Heavy	Wine vinegar, watered.
.04	99.82	Alkaline	Fair	Spirit vinegar.
.05	99.64	Alkaline	Small	Mixed vinegar.
.08	99.51	Alkaline	Good	Mixed vinegar.
.07	99.64	Alkaline	Good	Mixed vinegar.
.07	99.67	Alkaline	Fair	Mixed vinegar.
.04	99.84	Alkaline	Fair	Spirit vinegar.
.04	99.84	Alkaline	Fair	Spirit vinegar.
.32	97.61	Very alkaline	Very heavy	Pure wine vinegar.
.03	94.84	Alkaline	Small	Spirit vinegar.
.07	99.39	Quite alkaline	Good	Wine vinegar, watered.
.10	98.49	Very alkaline	Heavy	Pure wine vinegar.
.07	99.43	Quite alkaline	Good	Not pure wine vinegar.
.14	99.49	Alkaline	Heavy	Not pure wine vinegar.
.03	99.73	Alkaline	Small	Spirit vinegar.
.08	99.49	Alkaline	Fair	Mixed vinegar.
.04	99.81	Alkaline	Small	Spirit vinegar.
.03	99.79	Alkaline	Small	Spirit vinegar.
.03	99.76	Alkaline	Small	Spirit vinegar.
.07	99.48	Alkaline	Very small	Not pure wine vinegar.

INVESTIGATION OF THE CITY WATER SUPPLY.

In accordance with the policy and under the direction of your honorable body the water supply from the following sources was thoroughly investigated: Inlet to Laguna Honda Reservoir, University Mound Reservoir, Clarendon Heights Reservoir, College Hill Reservoir, Lombard Street Reservoir, Francisco Street Reservoir.

The tabulated report herewith presented, not only demonstrates the condition of our water supply at the present time, but also shows the beneficial effects of water aeration and filtration to which the water had been subjected. In every instance the amount of albuminoid ammonia will be seen to have been reduced to a remarkable extent when compared with the analysis of the original source of supply. There can be no question of the value of aeration improvised by the Water Company. The Chief Engineer states that each reservoir will have aerators and filters supplied where they do not exist, and extended where they are not adequate to carry out their proposed system.

Your attention is also directed to table No. 1, exhibiting comparative analyses of water from reservoirs made for your Board for 1896, with those made the subject of the present report. A casual examination of the report and comparison with the tables will show the manifest advantages of water aeration in the College Hill and Clarendon Heights reservoirs, showing the remarkable reduction of 83 to 84 per cent, in albuminoid ammonia.

The source of the water, the peculiar odor and flavor of which is complained of, is Lake San Andreas, from which, generally late in the Fall, the City's supply is principally obtained. It is the intention of the Chief Engineer to remedy this defect by bringing water from mountain brooks to the lake. This plan, when successfully carried out, if supplemented by thorough aeration, will in my judgment lessen the frequent complaints about bad water. Taken all in all, I can conscientiously assert that the water supply of San Francisco, considered from a chemical standpoint, is wholesome, and is in nowise injurious to health.

WATER ANALYSES.

No.	TAKEN FROM	SOURCE OF SUPPLY.	TREATMENT.	PARTS PER 100,000 PARTS.					
				TOTAL SOLIDS	CHLORIN AS CHLORIDS.	FREE AMMONIA	ALBUMINOID AMMONIA.	NITRATES	OXIDIZABLE ORGANIC MATTER.
605	Lake Honda (inlet).....	Lake San Andreas.....	.....	19.20000	4.64000	.00200	.00600	None	2.20000
606	Lake Honda (inlet).....	Lake San Andreas....	Filtered..	19.70000	4.64000	.00132	.00512	None	1.60000
607	University Mound Reservoir	Crystal Springs	.....	26.00000	4.64000	.00212	.00492	None	1.80000
608	University Mound Reservoir	Crystal Springs	Filtered..	29.30000	4.64000	.00132	.00392	None	1.80000
609	College Hill Reservoir.....	Lake San Andreas.....	.....	18.80000	4.64000	.00148	.00644	None	2.85000
610	College Hill Reservoir.....	Lake San Andreas.....	Aerated..	18.70000	4.64000	.00160	.00416	None	1.66500
611	Clarendon Heights Reservoir.....	Crystal Springs	Aerated...	26.20000	4.93000	.00120	.00252	None	2.94000
612	Lombard Street Reservoir...	Lake San Andreas....	.....	26.40000	4.64000	.00229	.00412	None	2.64000
613	Laguna Honda Reservoir...	Lake San Andreas....	.....	15.10000	4.35000	.00096	.00488	None	2.64000
614	Francisco Street Reservoir..	Lake San Andreas....	.....	30.40000	5.22000	.00350	.00440	Trace	2.64000

TABLE No. I.

TABLE SHOWING COMPARATIVELY THE RESULTS OF ANALYSES OF THE WATERS TAKEN FROM THE RESERVOIRS OF THE WATER COMPANY.

RESERVOIRS.		Free Ammonia.	Albuminoid Ammonia....	Oxidizable Organic Matter.	Total Solids....
Laguna Honda Reservoir.....	1896..	.00800	.02200	1.7750	15.8000
	1897..	.00096	.00480	2.6000	19.2000
University Mound Reservoir.....	1896..	.00400	.01240	1.2250	30.0000
	1897..	.00132	.00392	1.6650	18.7000
College Hill Reservoir.....	1896..	.00520	.02560	.7000	13.0000
	1897..	.00160	.00116	1.6650	18.7000
Clarendon Heights Reservoir.....	1896..	.00560	.01640	1.0000	31.0000
	1897..	.00120	.00252	2.9400	26.2000
Lombard Street Reservoir.....	1896..	.01120	.01500	1.1250	28.0000
	1897..	.00229	.00412	2.6400	26.4000
Francisco Street Reservoir.....	1896..	.00520	.02240	1.1200	0.0000
	1897..	.00350	.00440	2.6400	26.4000

SUPPLEMENTAL REPORT ON WATER SUPPLY.

This report embodies a continuation of the sanitary analyses of the water supply of this city. The waters of the lakes from which the reservoirs receive their supplies have been analyzed, and the results are herewith presented to you, amplified with addenda, in order to place prominently before you the value of water aeration and filtration.

The report gives three tables, illustrating the scope of the analyses and its bearing toward the sanitation of our water supply.

Table No. 1 gives the number of the analyses. It gives results of each analysis, calculated to parts in 100,000 parts.

TABLE No. I.

SANITARY ANALYSES OF WATER CALCULATED TO PARTS IN 100,000 ARTS.

No.	DESCRIPTION OF SAMPLE.	TREATMENT OF SAMPLE.	Free Ammonia.	Albuminoid Ammonia.	Nitrates.	Chlorin as Chlorids.	Oxidizable Organic Matter.	Solids.
615	Laguna Honda Reservoir Supply....	Filtered through a patent filter.	.00106	.00208	None.	4.35000	2.04100	15.00000
616	Lake Merced Water.....	.....	.00180	.00620	None.	10.44000	4.24000	25.30000
617	Lake San Andreas.....	.....	.00132	.00620	None.	4.64000	5.00000	15.60000
618	Crystal Springs Lake Water.....	Filtered through a patent filter..	.00128	.00756	None.	4.64000	4.24000	22.40000
639	College Hill Reservoir Supply.....	Filtered through a patent filter..	.00106	.00360	None.	5.80000	3.12000	21.00000
640	College Hill Reservoir Supply.....	.....	.00100	.00380	None.	4.64000	1.16000	21.30000
641	Golden Gate Park Pump Station....	.....	.010000	.00400	.....	6.96000	3.43200	29.60000
642	Golden Gate Park Pump Station....	.....	.10000	.00400	.....	6.96000	3.43200	29.60000
643	Spring Water from Mill Valley.....	.....	.001864	.0039	None.	3.77000	1.80000	28.30000

Table No. 2 gives the most important constituents of each water in a sanitary point of view. The analyses of the water from the source of supply and that of the reservoirs are placed side by side for comparison. It will be seen that in two cases out of nine there is a noticeable, and in some cases a large diminution of three important constituents, and in these two cases the increase of ammonia was owing to the oxidation of an equivalent amount of albuminoids.

The table plainly shows the beneficial effects of aeration in effecting the oxidation of nitrogenous organic matter into comparatively innocuous ammonia and carbonic acid, thereby causing a reduction of 33, 66 and 31 per cent. of albuminoid ammonia, and of 33, 66 and 31 per cent. of organic matter.

TABLE No. II.

TABLE SHOWING BENEFICIAL EFFECTS OF WATER AERATION.

RESERVOIR.	Free Ammonia.	Albuminoid Ammonia.	Oxidizable Organic Matter.
Water from Lake San Andreas.....	.001320	.006200	5.000000
Water from College Hill Reservoir, aerated	.601600	.004160	1.665000
Difference.....	+ .000280	—.002040	—3.335000
Water from Crystal Springs.....	.001280	.007560	4.240000
Water from Clarendon Heights.....	.000120	.002520	2.940000
Difference.....	—.001160	—.005040	—1.300000
Water from Crystal Springs.....	.001280	.007560	4.240000
Water from University Mound Reservoir	.002120	.004920	1.800000
Difference.....	+.000840	—.002640	—2.440000

Table No. 3 shows the effects of patent filters, which are placed in restaurants, hotels, and many of the private residences.

This is also a table of comparison, and exhibits that good results may follow by their use, as they not only furnish clear and transparent water, but are also effective for reducing the amount of nitrogenous organic matter to a greater or less extent, according to the kind of filter used. The water obtained at 807 Market street shows an inexplicable amount of organic matter.

TABLE No. III.

TABLE SHOWING RESULTS DERIVED FROM THE USE OF PATENT FILTERS.

RESERVOIR.	Free Ammonia.	Albuminoid Ammonia.	Oxidizable Organic Matter.
Water from Laguna Honda Reservoir....	.000960	.004880	2.600000
Filtered water from premises 436 Oak.....	.001060	.002080	2.041000
Difference.....	+.000100	—.002500	—.559000
Filtered water from premises 432 Oak....	.001600	.004160	1.665000
Water from College Hill Reservoir.....	.001000	.003800	1.660000
Difference.....	—.000600	—.000360	—.005000
Water from Artesian Well.....	.001600	.004160	1.665000
Water from premises 807 Market.....	.001064	.003800	3.120000
Difference.....	—.000536	—.000560	+1.455000

The analyses of water from two wells from the pumping station at Golden Gate Park is also given. This water may be regarded as a purer water than that obtained at this season of the year from the lakes of the Spring Valley Water Co.

MISCELLANEOUS WATER ANALYSES.

Ten samples of water from miscellaneous sources were submitted for analysis during the year.

The disposition made of them is as follows:

MISCELLANEOUS WATER ANALYSES.

No.	DESCRIPTION OF SAMPLE.	BY WHOM SUBMITTED.	PARTS PER 100,000 PARTS.					
			Free Ammonia.	Albuminoid Ammonia.	Chlorin as Chlorids.	Nitrates.	Oxidizable Organic Matter.	Total Solids.
229	Well water from 1310 Golden Gate	L. Levy, 1310 Golden Gate Ave.....	.0060	.1016	8.4000	.0160	.....	126.000
409	Well water from 1310 Golden Gate	L. Levy, 1310 Golden Gate Ave.....	.0004	.00358	7.8750	.00025	.....	113.7000
645	Well water.....	P. S. Fay.....	.001332	.001000	.....	.00000	1.80000	6.0400
652	Spring V. W. Co. Tank in house..	Mrs. J. H. Crocker, Wash. & L'gna	.00220	.01000	4.64000	.00000	5.10000	35.0000
653	Spring V. W. Co. Main, Crystal Sp	Mrs. J. H. Crocker, Wash. & L'gna	.00106	.00400	4.64000	.00000	3.00000	22.9000
195	Spring Valley water.....	G. S. Fife, 1101 California.....	*	*	*	*	.....	.....
204	Spring Valley water.....	James Miller, 9 Clyde street.....	*	*	*	*	.....	.....
593	Water.....	Sam Hoff.....	†	†	†	†	.....	.....
594	Water.....	Dr. Hill.....	†	†	†	†	.....	.....
599	Water.....	Officer Clancy.....	†	†	†	†	.....	.....

*Previously analyzed. †Not enough for analyses.

MISCELLANEOUS ANALYSES.

Twenty-six samples of miscellaneous articles have been received and reported on. Most of these samples were of food intended as supplies for public institutions. The results of the analyses are given below. It might be remarked that the food intended for public institutions was of good character throughout:

No.	DESCRIPTION OF SAMPLE.	FROM WHOM PURCHASED.	RESULT OF ANALYSES.
208	Pie grapes		No preservatives, put up in cane-sugar syrup.
388	Pie peaches		No preservatives, put up in cane-sugar syrup.
389	Tomatoes		No preservatives, no coloring.
276	Cove oysters		No cause for complaint.
392	Syrup		Cane-sugar syrup.
391	Baking powder		Cream of tartar baking powder of good strength
393	Cracked wheat		Clean and clear, entire wheat.
394	Tapioca		Pure, clean and clear.
395	Sago		Pure, clean and clear.
397	Rice		Pure, clean and clear.
398	Zante currants		Pure, clean and clear.
399	Beans (dried)		Pure, clean and clear.
404	Split peas		Pure, clean and clear.
408	Vermicelli		Pure, clean and clear.
405	Laundry starch		Pure corn starch.
406	Corn starch		Pure corn starch.
396	Salt	Dr. I. W. O'Rourke	Pure salt.
248	Crushed barley		No cause for complaint.
648	Unknown substance	Dr. J. F. Morse	Oxalic acid.
555	Pure horse radish	Columbia Auction House.	Not fit for human food.
556	Sonoma pickles	Columbia Auction House.	Not fit for human food.
585	Leaf tobacco		Good grade small l'f tob.
95	Enterprise salmon	Mrs. Barker, 255 Athens	Cans resoldered, contents decomposed.
96	Lime-juice tablets	Mr. Deneke	Citric acid.
97	Supposed water	A. H. Kennison	Ditch water.

Respectfully submitted,

RALPH A. GOULD,

Acting Chemist.

BACTERIOLOGIST'S REPORT.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: Herewith I have the honor to submit the tabulated record of the work done in the Bacteriological Laboratory for the fiscal year 1897-98. It is a matter of gratification that the medical profession is apparently of one mind in its appreciation of the aid to diagnosis afforded to it by the Laboratory. We have endeavored to stimulate in the minds of the members of the profession the value of subsequent examination in cases of patients in whose throats the Klebs-Loeffler bacilli have been found, in order that it may be determined as nearly accurately as possible when the bacilli have disappeared from the air-passages, and correspondingly when it may be safe to raise the quarantine in such a case. Although literature has been prepared and distributed, calling the attention of the necessity of such examinations, very few members of the profession seem to realize their importance, judging by the very few who avail themselves of the opportunity. With a view of heightening the efficiency of this Department, and broadening its scope of usefulness, I would respectfully suggest that at some period in the near future a system be inaugurated by which the sputum of individuals suspected of having pulmonary tuberculosis may be examined at the Laboratory; also, that the so-called Widal test be made at the Laboratory, thus enabling Physicians to make an early diagnosis of typhoid fever. With these recommendations it would seem that the Laboratory as at present situated has reached nearly the maximum degree of efficiency to the City's Health Department.

TABULATED STATEMENT OF THE WORK OF THE LABORATORY.

MONTH.	THROAT INFECTIONS.				MILK.			WATER.			TISSUE.		
	Number examined	Diphtheria	Pseudo-diphtheria	Other infections	Number specimens examined	Condemned	Passed	Number samples examined	Harmless	Dangerous	Number of specimens examined	Condemned	Passed
1897—July	11	..	2	9	....	....	....	...	....	....	....	...	....
August	29	7	2	20	4	1	3	1	....	1	16	16	....
September	39	12	7	20	1	....	1	2	1	1	32	30	2
October	40	12	12	16	1	1	....	3	3	...	....	...	....
November	115	51	18	46	....	....	....	4	4	....	..	...	....
December	124	56	18	50	3	....	3	3	3	....	....	...	....
1898—January	126	38	9	79	4	....	4	....	....	...	16	15	1
February	52	8	7	37	2	....	2	1	1	....	...	....	....
March	53	15	8	30	....	....	....	....	....	....	....	....	....
April	97	50	9	38	....	...	...	....	....	....	1	1	....
May	97	51	6	40	....	....	....	....	....	....	....	...	....
June	75	26	7	42	....	....	....	....	....	....	3	3	....
Total	858	326	105	427	15	2	13	14	12	2	68	65	3
Percentage	....	.38	.12	.50	....	.13	.87	....	.87	.13	....	.96	.04

Very respectfully,

JOHN C. SPENCER, M. D.,

City Bacteriologist.

REPORT OF BUREAU OF FOOD INSPECTION.

San Francisco, July 1, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor to submit the following report for the fiscal year ending June 30, 1898:

During the months of July, August, September and October the inspection of Milk proceeded on the same lines as in the preceding year, viz.: at the four Food Inspection Stations, located as follows: Station No. 1, on Clay street wharf, in charge of two Deputy Food Inspectors: the average number of wagons inspected daily at this station was ninety-four; average number of gallons of milk inspected daily 8732. Station No. 2, located at Fourth and Berry streets, in charge of two Deputies: average number of wagons inspected daily 49; average number of gallons of milk inspected daily 2681. Station No. 3, located on Army and Alabama streets, in charge of four Deputies: average number of wagons inspected daily 385; average number of gallons of milk inspected daily 15,266. Station No. 4, located on Geary street and Central avenue, in charge of two Deputies: average number of wagons inspected daily 43; average number of gallons of milk inspected daily 1,052.

In my last annual report I explained the great benefits to be derived from the successful operation of the Food Inspection Stations, the necessity of increasing the facilities of the Bureau of Food Inspection, particularly the Laboratory, the carrying on of the tuberculin test amongst the numerous dairy herds in this county, and the absolute necessity of having an Assistant Attorney connected with the department. To further those ends I submitted a state-

ment, designating the amount of money required to successfully carry on the work as outlined by your honorable body. The Honorable Board of Supervisors, however, did see fit to accede to your request in this matter, and as a result the annual appropriation was inadequate for the continuance of this system of inspection. Consequently on November 1st the Food Inspection Stations were abolished, all Deputy Food Inspectors dismissed and the administering of the tuberculin test brought to an end. The result of this retrenchment was that the department was crippled, and the many beneficial movements under way had to be abandoned.

I have at various times pointed out the crying need of a special attorney for the department, in line with the experience and practice of all progressive cities of the union, to the end that all offenders against the Pure Food Laws would be properly prosecuted, for without the assistance of such an official it would be useless to expect effective work. The importance of such legal assistance is practically and fully demonstrated from the fact that during the month of December eighteen warrants were sworn to for the arrest of merchants who had sold adulterated Olive oil. The cases were called in Judge Campbell's Court,and on account of an error in drawing the complaints the same were set aside, with instructions to have proper complaints filed. I reported the matter to the Health Officer, and was instructed to communicate with Assistant District Attorney Joseph J. Dunne, who had kindly volunteered to assist the Health Department whenever his time would permit. Owing to Mr. Dunne's unavoidable absence from the city I was unable to consult him. Immediately on his return, however, I explained the exact status of the cases to him, and he informed me that it would be advisable not to proceed with any of those cases until such time as a decision would be rendered in the Hartter and Feusier cases, said cases having been appealed to the Superior Court.

On June 15th I was instructed to proceed immediately

with the prosecution of the Adulterated Olive Oil cases. Assistant District Attorney Joseph J. Dunne drew up proper complaints for the arrest of eight dealers, the same were sworn to before Police Judge C. T. Conlan. Shortly after his Honor informed the Health Officer that the cases were outlawed, and hence he could not issue warrants for the arrest of merchants in these particular cases. His Honor also stated that as these same parties were arrested before, and the complaints were defective they could not be again arrested for the same offense. In the month of March, Superior Judges Wallace, Cook and Dunne, sitting in banc, rendered a decision, which upon imperfect appreciation seemed to be pregnant with embarrassment for the Health Department; but the embarrassment, fortunately, was dissipated upon a clearer understanding of the decision. Subsequently, upon the appeals of the Hartter and Feusier cases, Assistant District Attorney Dunne made the following argument:

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA, IN AND FOR THE CITY AND COUNTY OF SAN FRANCISCO.

THE PEOPLE OF THE STATE OF CALIFORNIA, vs. LOUIS HARTTER.	1035
THE PEOPLE OF THE STATE OF CALIFORNIA, vs. LOUIS FEUSIER.	1033

BRIEF FOR THE PEOPLE IN REPLY—PURE FOOD CASES.

I observe from the printed brief herein that some misconception exists in the mind of counsel concerning the number of defendants involved. He describes this case as "People of the State of California vs. Six Defendants"; but there are not, however, any other defendants before the Court than those whose names appear in the caption of this brief. The cases of sundry other defendants, which have

heretofore been pending in this Court, have been disposed of by the Court in one way or another, leaving only the Harter and Feusier cases undisposed of. Inasmuch as this is not a moot Court, I shall not criticise cases not pending before the Court, but shall confine my remarks to the Harter and Feusier cases only.

JURISDICTION.

This prosecution was had under the statute of March 26th, 1895; and that this act is within the police power of the Legislature, and is constitutional, there can be no question. Health being the *sine qua non* of all personal enjoyment, it is not only the right, but also the duty of the State to pass such laws as may be necessary for the preservation of the health of the people.

(Powell vs. Com., 114 Pa. St., 294; s. c. 127 U. S., 678; People vs. Cipperly, 37 Hun., 324, decided in Court of Appeals, upon the grounds stated in the dissenting opinion of Learned, J., in the court below, 101 N. Y., 634; State vs. Groves, 2 Atl. Rep (R. I.), 784; State vs. Smith, 14 R. I.. 100; s. c. 51 Am. Rep., 344; Con vs. Evans, 132 Mass., 11; Con vs. Smith, 130 Mass., 444; Com. vs. Wentworth, 118 Mass., 441; State vs. Newton, 45 N. J. L., 469; s. c. 50 N. J. L., 534; Pierce vs. State, 63 Md., 592; Butler vs. Chambers, 36 Minn., 69; State vs. Addington, 12 Mo. App., 214; s. c. 77, Mo., 117; Phillip vs. Lee, 75 Ill., 334; Bainbridge vs. State, 30 Ohio St., 264; United States vs. Bayaud, 16 Fed Rep., 384; State vs. Campbell, 64 N. H., 402; People vs. West, 44 Hun., 162; s. c. 106 N. Y., 296; State vs. Aronsberg, 105 N. Y., 123; s. c. 59 Am. Rep., 483.)

With reference to the Marx case, decided in 99 N. Y., 377, I may be permitted to suggest that the statute there was held void, because instead of being designed to suppress adulteration, its object was to prohibit one industry in order to foster another.

It is claimed, however, that under the text of Section 5 of the California statute, a Police Court, upon a judgment of conviction, under the act, may impose a penalty greatly in excess of the jurisdiction of the Court; but it must be pointed out that Section 5 of the Pure Food Act establishes a well-marked distinction between the penalty proper and the "necessary costs and expenses" incidental to prosecutions under the act. I presume that no serious contest will be made of the proposition that costs and expenses are the necessary disbursements incurred by the parties in the prosecution or defense of an action or process at law and in equity; and that they form no part of the relief sought, but are a mere incident of the judgment, and when not included in it are lost.

(4 Am. & Eng. Ency. of Law, 313; 5 Ency. of Pl. & Pr., 109.)

The distinction, I submit, between a penalty on the one hand and

costs upon the other is so well defined by the language of this statute that any additional discussion of that distinction would be supereorgatory. And if there is a proposition well settled in the law of jurisdiction, it is that costs are never considered in determining jurisdiction.

(Watson vs. Ward, 27 Minn., 29; 12 Am. & Eng. Ency., 284; Gray vs. Dougherty, 25 Cal., 266; Votern vs. Reese, 20 Id., 89; Bradley vs. Kent, 22 Id., 169; Skillman vs. Lachman, 23 Id., 199; Bolton vs. Landers, 27 Id., 106; Mansfield vs. Johnson, 30 Id., 545; Greenbaum vs. Martinez, 86 Id., 456.)

It would, indeed, shock the legal mind to be compelled to measure jurisdiction by a merely collateral and purely incidental feature like costs and expenses; and it would seem, reasoning from the analogies of the law in kindred cases, that the test of jurisdiction should be the substantial penalty attached to the violation of the statute, and not mere costs and expenses, which are collateral and incidental. I submit, therefore, that the jurisdiction of the Police Court is to be measured and determined by the penalty attached to a violation of the act, and not by the cost of the analysis; and when the jurisdiction of the Police Court is tested by this standard, it is plain that the judgment attacked here is clearly within the jurisdiction of the Court.

This objection is not a new one. In the case of one of these very defendants, Louis Harter, upon habeas corpus, before Judge Seawell, after conviction in the Police Court, this precise point was presented, but on the 19th of April, 1897, Judge Seawell, in Department One of this Court, failed to perceive any merit whatever in the suggestion, and remanded the petitioner. Harter was not satisfied with the judgment of Judge Seawell, and, four days later, applied to the Supreme Court for a writ of habeas corpus, and, on the, 23d day of April, 1897, by the Supreme Court in bank, the writ was denied, the Court holding that "for the purpose of determining the jurisdiction, the costs "recoverable are not to be deemed a part of the penalty." It is respectfully submitted, therefore, that there is no merit in this objection to the jurisdiction of the Court.

CHANGE OF PLACE OF TRIAL.

It appears from the transcripts in these two cases that the defendants filed affidavits alleging bias upon the part of the Judge of the Police Court, and asking for a transfer of the case to another department of that Court. The Judge of the Court below filed a counter affidavit repudiating any bias upon his part against these defendants or either of them, and denied the motion to transfer the cause; and this denial is now urged as a reason why these judgments should be reversed. It is to be hoped that this Court will give such

an authoritative construction of the sections of the Penal Code involved as will remove ambiguity in future cases. I have been given to understand that conflicting decisions upon this matter have been rendered by various members of the Superior Court; that Judge Hunt, in Department Five, took one view of the matter, favorable to the action of the Court below, and that Judge Murphy, in another department of this Court, held views distinctly unfavorable to the action of the Court below. And in this condition of things it will be perceived that an authoritative construction of the sections of the Penal Code involved will be of lasting value to those charged with the administration of criminal law. For the assistance of the Court in construing the sections of the Penal Code, I beg leave to cite the following authorities:

(C. C. P., Secs. 397-833; Penal Code, Secs. 1431, 1033, 1034, 1035; Lowry vs. Hoge, 85 Cal., 602; People vs. Hubbard., 22 Id., 37; Freligh vs. State, 8 Mo., 611; Manley vs. State, 52 Ind., 163; Mershon vs. State, 44 Id., 598; Krutz vs. Griffith, 68 Id., 444; Schmelzer vs. Lochart, 97 Id., 321; Krutz vs. Howard, 70 Ind., 174; Walch vs. Ray, 37 Ill., 30; Parsons vs. People, 113 Id., 557; Cantwell vs. People, 28 N. E. Rep., 964; State vs. Henning, 54 N. W. Rep., 536; People vs. Maloney, 18 Cal., 180; People vs. Williams, 24 Id., 31; People vs. Shuler, 28 Id., 490; People vs. Lee, 5 Id., 354; Krundick vs. Krump, 98 Id., 119; People vs. District Court, 17 Id., 547; People vs. Bell, 4 Id., 179; McCauley vs. Brooks, 16 Id., 1; High, Extraordinary Remedies, Sec. 34; Wood vs. Strother 76 Cal., 543; State vs. Johnson, 4 Wallace, 489; Mining Co. vs. Kaiser, 58 Cal., 324; People vs. Yoakum, 53 Id., 571; Ex parte Wright, Criminal, No. 377, Dec. 21st, 1897.)

VARIANCE.

It is contended, with a certain seductive appearance of seriousness, that in these two cases there is a fatal variance between the complaint and the proof. The complaint in the Harter case alleged that although Thomas Taylor endeavored to purchase an article of food called "currant jelly," still the composition that was sold to him was a substance which was only an imitation of currant jelly, and contained apple jelly mixed with glucose, and colored with coal tar coloring. Such being the allegation in the complaint, the proof showed, on the direct examination of Professor Wenzell, the chemist, that he analyzed the exhibit, and found that it was not currant jelly, and further testified, on redirect examination, that the exhibit was made from apple jelly, and contained a large proportion of glucose, with cane sugar, and was colored with coal tar coloring. In the other case, of Feusier, the complaint alleged that Taylor, the complaining

witness, endeavored to purchase currant jelly, an article of food, but was sold instead a composition which was not currant jelly, but a mere imitation thereof, and contained apple jelly, mixed with starch paste, containing acetic acid, and colored with aniline dye. The proof showed that Professor Wenzell, the chemist, made an analysis of the exhibit, and that the analysis showed that: "It is made from apple "jelly, starch and acetic acid; it does not contain sugar, and is not "currant jelly." Certainly it is confidently submitted that mortal man can discover no variance between the allegations of the pleadings and the proofs offered under them in these cases.

(See United States vs. Moore, 11 Fed. Rep., 248; White vs. State, 60 Ind., 273; State vs. Brinn, 30 Minn., 522; People vs. Armstrong, 114 Cal., 570; People vs. Mayne, 114 Id., 632; Com. vs. Bulman, 118 Mass., 456; Com. vs. McGaughey, 9 Gray (Mass.), 296; State vs. Mayne, 31 Conn., 572.)

RECORDS OF CORPORATION.

Under the heading that "Records of corporation are the best evidence of its acts," appellants' counsel argue that "the Court erred in "admitting parol evidence to show that the defendant was an officer "of the corporation." I have diligently examined the statements on appeal in these cases of Harter and Feusier, and fail to find any sentence, word, or syllable to justify either the position assumed here, or the reversal of either of these judgments upon any such ground.

CRIMINAL LIABILITY OF PRINCIPAL FOR THE ACT OF HIS AGENT.

It is a matter of common knowledge that clerks and salesmen are employed in most shops where goods are sold. They are employed knowingly and intentionally by the proprietor of the store for the specific purpose of selling to customers the goods contained within the store. So far as the sale of the goods is concerned, these clerks and salesmen are the proprietor, and by force of all rules of civil law, their acts are the acts of the proprietor. Under most elementary principles in the law of agency, their acts, within the scope of their employment, bind their principals, and their principals become charged with civil responsibility for the consequences of their acts. This is a rational principle, and one founded on the plainest kind of good sense; but, when we seek to apply this common sense principle to a case of criminal, as distinguished from civil, responsibility, we are told that the principal no longer is responsible for the acts of the man whom he employs for the specific purpose of selling goods, and,

in this case, of selling adulterated goods, of whose character the law will not permit the principal to remain ignorant. If it is to be said that the principle which charges the proprietor with responsibility for the acts of his *alter ego* has no application to a criminal prosecution under this statute, then, in many instances, will the statute be shorn of its usefulness. I am perfectly frank to say that in a case where a proprietor specifically employs a salesman for the express purpose of selling goods, I am utterly unable to see why the proprietor, whose act puts that salesman in the position to sell those goods, should not be chargeable with all the consequences, civil and criminal, which flow from such conduct, for a person always intends the ordinary consequences of his voluntary act. (P. C., Sec. 1102; C. C. P., Sec. 196, Subd. 3.) It is urged that the reason why the elementary rule, *qui facit per alium facit per se*, fails of application to a criminal prosecution of this character is because criminal intention is an essential element in this offense. In other words, eliminate the idea of criminal intent from the problem presented, and no reason any longer exists why the principal should not be chargeable with the consequences flowing from his representative's act. The ground taken in counsel's brief proceeds upon this theory, and, in express terms, counsel urges that the reason why the act of the salesman does not bind his principal is because criminal intent is an essential element in the offense charged in this complaint. I shall, hereafter, show that the foundation for this contention has no existence in law, and that the precise reason urged to escape responsibility herein, and to furnish a medium for the distribution of fraudulent and adulterated compounds upon the community, has been repudiated by very respectable Courts. The better opinion seems to be, and, indeed, the accepted opinion in adulterated food cases is, that the servant, agent, or salesman who, in the course of his employment, sells an adulterated article, renders his master liable, for the precise reason that a criminal intent on the part ot the master is not necessary under this statute.

(Com. vs. Warren, 160 Mass., 533; Com. vs. Proctor, 165 Id., 78; Bissman vs. State, 9 Ohio C. C., 714.)

Under this last case, the Ohio Court used the following significant language: "The person who has imposed upon him the general man-"agement, direction, and control of the business of an incorporated "company in respect of its business conduct, stands for the corpora-"tion, and is its only visible, active, tangible head. Such person is, in "that respect, the principal in the conduct of its business, and all "those who act on his procurement and under his directions are, in "the full sense, his agents or aids in transacting the business of the " company. It is elementary that 'whatever an agent does within the

" 'scope of his authority, is, in legal effect, the act of the principal,
" 'who is entitled to its advantages and subject to its liabilities.' This
"is the doctrine of the civil law, and it also obtains in the criminal
"practice. A very familiar principle of the criminal law is that,
" 'where a criminal act is committed by one person upon the pro-
" 'curement of another, both the procurer and the procured are guilty
" 'as principals.' 'All who aid or participate in the commission of a
" 'misdemeanor are principals.' 'Whoever aids, abets, or procures
" 'another to commit any offense may be prosecuted and punished as
" 'if he were the principal offender.' From all this it is quite certain
"that, in law, the plaintiff in error, Bissman, as principal, is respons-
"ible and liable for the act done by his agent, and if an offense has
"been committed by the sale of the article of food named, the plain-
"tiff in error is guilty of the offense as a principal party."

(See, also, Cal. Penal Code, Secs. 31-659; Smith vs. State, 21 Tex. App., 96.)

CRIMINAL INTENT.

In these cases in the Court below the element of criminal intent was deliberately, and of malice prepense, charged out of the case; and of this action the appellants herein now complain. This is the most important question in the cause, as must be manifested from the consideration that, should the State be required to establish criminal intent in this class of cases, the efficiency of the statute in question would be utterly destroyed.

To quite a considerable extent, the question presented is one of statutory construction. The old doctrine of the common law was that penal statutes should be strictly construed; but this somewhat narrow rule has given place to the more rational theory by which penal statutes are to be so construed as to effect the purposes of their enactment, and to subserve the ends of justice. In the statute with which we are confronted, there is not even a dim intimation that knowledge or guilty intent upon the part of the seller of adulterated goods is made a part of the offense. The statute provides that no person shall manufacture, sell, or offer for sale any adulterated article of food, and that is all that it says; the word "knowingly" nowhere appears in this statute; there are here no words of limitation, nor are there here any terms of qualification; and appellant cannot within the rule of statutory construction established in this State by Sections 1858-9 of the Code of Civil Procedure, be countenanced in his attempt to read into this plain, unqualified statute any words of limitation or qualification, predicated upon ideas of criminal intent or guilty knowledge. This view is somewhat emphasized by the language used in an early case in the State of New York:

"The act which gives the penalty sued for only subjects him who "shall *knowingly* sell, supply, or bring to be manufactured to any "cheese factory, diluted, adulterated or skimmed milk. It is not the "act of selling, supplying, or bringing to the factory the milk con-"demned by the law that gives the penalty. If so, it would be imma-"terial whether the owner and proprietor sold or bought the milk in "person or by his servants, or the agency of third persons. The act "might be regarded as the act of the principal and he be made liable, "although done without his personal knowledge or intervention. "Davis vs. Bemis (40 New York, 453, note) may be conceded to have "been well cited. But the word 'knowingly' in the statute now under "review qualifies the acts condemned, and only makes the offense "penal when committed by the authority or with the knowledge and "assent of the party sought to be charged. The act designedly distin-"guishes between actual and constructive participation in and assent "to the wrongful act, and between actual or personal, and imputed or "constructed notice or knowledge of facts constituting the offense. "The intent of the act is to punish an individual only for an actual "and intentional violation of its provisions. The act need not be "personally committed by the party charged, but if authorized by "him he is liable for the penalty. Effect cannot be given to the act in "its present form unless it is thus restricted in its application and "operation. Upon any other interpretation, the word 'knowingly' is "of no effect, and has no meaning."

(Verona Cheese Company vs. Murtaugh, 50 N. Y., 317.)

Upon the same page the Court proceeds, by way of *obiter dictum*, to say:

"It can hardly be claimed that one would be liable for a penalty "under a statute like this, even without the word 'knowingly,' or "other like qualifications for delivering, by mistake and in good faith, "milk within the condemnations, but of which neither he nor any per-"son in his employ has any knowledge; that which might have be-"come diluted or adulterated by accident, or by the malicious acts of "strangers."

This last remark of the Court was, of course, wholly unnecessary to the decision of the cause then pending, and was the merest *obiter dictum*; and, moreover, as I shall hereafter show, the suggestion conveyed in this last remark has been expressly repudiated in later and better considered cases in the same Court, arising under statutes from which the obnoxious word "knowingly" had been eliminated. But the point I wish to impress at present upon the Court is that the use of the word "knowingly" in a statute of this character does introduce a most prominent qualification of the proof essential to a conviction; and that the absence of that word, as in the statute now

under consideration, is not to be supplied by the specious ingenuities of counsel. Had the word "knowingly" been written into this act by the Legislature, as the Legislature could easily have done, we should have been confronted by a somewhat different problem; but the Legislature has not seen fit to insert that term into the definition of the offense, and its silence in this behalf is pregnant with significance.

It must be remembered that crime, whether of the grade of felony or of misdemeanor, is a resultant, a product. It springs from the union or marriage of two elements—one, objective, the overt act; and the other, subjective, the intent or mental condition. Hence arises the well known maxim: "*Actus non facit reum, nisi mens sit rea.*" This is a general doctrine in all criminal jurisprudences which derive their origin from the common law, and not even the hardihood of counsel will justify the assertion that the doctrine of "*Mens rea*" is peculiar to California. This doctrine has a prominent place in the criminal jurisprudence of Great Britain and of all of the States of this Union, and I shall hereafter cite no case which does not come from a State recognizing, adopting, and enforcing this fundamental principle of all criminal law. But, well recognized as this doctrine is, there are equally well recognized exceptions to it, a few of which I shall take occasion briefly to advert to. In a recent case in the State of Nevada, the Court lays down the principle that where a statute forbids the doing of a certain thing and is silent concerning the intent with which it is done, a person who does the forbidden act is not guiltless because he has no wrongful intent beyond that which is involved in the doing of the prohibited act. The Court illuminates the principle by a number of illustrations taken from different States in the Union, and cites a number of authorities upon this question.

(State vs. Zichfeld, 46 Pac. Rep., 802.)

And in a very well-reasoned case the Circuit Court of the United States, for the Southern District of New York, considered this question. The statute in that case provided that "Every person . . . . "who removes any stamp provided by law from any cask or package "containing, or which has contained, distilled spirits, without de-"facing and destroying the same at the time of such removal, or who "aids or assists therein . . . . shall be deemed guilty of felony." Upon motion in arrest of judgment, the Court, Wallace, Benedict and Brown, JJ., sitting, used the following significant language:

"It is next objected that the indictment is fatally defective because "it omits to allege that the accused knew that the casks contained "distilled spirits. In regard to this point, it is first to be remarked "that it depends upon the proper construction to be given the statute "above quoted. Looking at the words employed as indicating the in-

"tent of the law, it is seen that the statute mentions certain ingredi-
"ents as necessary to constitute the offense, and makes no allusions
"to knowledge that the casks contained or had contained distilled
"spirits. It would have been so easy and so natural to have desig-
"nated such knowledge among the other ingredients, if it had been
"intended to make such knowledge an ingredient of the offense, that
"the omission of any expression to that effect goes far of itself, con-
"sidering the object of the statute (see, A Quantity of Distilled
"Spirits, 3 Ben., 558), to repel the presumption of such an intention.
"The argument in support of such a presumption assumes that
"knowledge of the contents of the casks must be proved in order to
"render the act of removing stamps punishable as a crime. But no
"such assumption can be indulged in. Statutory crimes where knowl-
"edge or intent are not ingredients of the offense are common. The
"rule applied in such cases is that where a statute forbids the doing
"of a certain act under certain circumstances without reference to
"knowledge or intent, any person doing the act mentioned is charged
"with the duty to see that the circumstances attending this act are
"such as to make it lawful; and under such statutes a conviction may
"be had upon proof of doing the forbidden act, without proof of
"knowledge by the accused of the circumstances specified in the
"statute. The books contain many cases where such a rule has been
"applied. For instance, Barnes vs. State, 19 Conn., 399, where the act
"charged was selling liquor to a common drunkard, in which case the
"Court refers to cases of enticing a female under twenty-one years of
"age, and of adultery (see Fox vs. State, 3 Tex. Ct. App., 329), as
"within the rule; Com. vs. Waite, 5 Mass., 264, where the act charged
"was selling adulterated milk; 2 Allen, 160, where selling liquor that
"was intoxicating was the offense; State vs. Heck, 23 Minn., 549,
"where selling liquor to an habitual drunkard was charged; 1 Rus-
"sell, Crimes 93, where the crime charged is inducing a soldier to de-
"sert; Reg. vs. Robbins, 1 Car. & K., 456, where the crime was ab-
"ducting an unmarried girl under sixteen years of age. Also, Reg.
"vs. Olifier, 10 Cox C. C., 402; Fitzpatrick vs. Kelly, L. R. 8 Q. B., 337,
"where the charge was selling adulterated butter; Reg. vs. Woodrow,
"15 Mees & Wellsby, 404, where the offense was having in possession
"adulterated tobacco, and where it was found as a fact that the ac-
"cused believed the tobacco to be unadulterated. See, also, Halsted
"vs. State, 12 Vroom, 552. In all these cases a point similar to the
"one under consideration was made without avail. No reason has
"been suggested why the rule above stated should not be applied in
"the present case. By the statute under consideration, a certain act
"is made criminal when done under certain circumstances without
"reference to knowledge or intent. . . . . In such a case a convic-

"tion may be had without charging in the indictment knowledge of "the contents of the casks, for the statute bound the accused to know "the facts and to obey the law at their peril."

(U. S. vs. Bayaud, 16 Fed Rep., 384-5.)

Probably the Supreme Court of Pennsylvania stands as high in the estimation of the profession as any of the Courts in this country, and its views upon this question are entitled to the highest respect. In 1889, one Weiss was convicted and fined under a statute punishing every person "Who shall manufacture, sell, or offer or expose for "sale, or have in his . . . . possession with intent to sell" oleomargarine. At the trial the testimony on behalf of the commonwealth tended to prove that on Feb. 4th, 1889, George Spence ordered and ate a meal at a restaurant kept by the defendant, paying therefor fifty cents; that he was served as a part of said meal with a substance resembling butter, which he retained and carried away with him, and that upon an analysis thereof the "substance" proved to be oleomargarine with evidence of cottonseed oil.

One of the witnesses for the commonwealth testified that one day prior to Feb. 4th, 1889, he saw a waiter in the employ of the defendant throw out of the doorway of the restaurant an empty oleomargarine package. The defendant's case consisted of the admission that the defendant, if in Court, would testify that he did not knowingly furnish or authorize to be furnished to any of his customers any oleomargarine, but, so far as he knew, furnished genuine butter; this fact to be regarded for the purposes of this case as having been testified to by him before the jury. Upon appeal the Supreme Court said: "Guilty knowledge or guilty intent is in general "an essential element in crimes at common law, but statutes provid-"ing police regulations in many cases make certain acts penal, where "this element is wholly disregarded. The distinction is thus laid "down in 3 Greenl. Ev., Sec. 21: 'The rule (i. e., that ignorance of " 'fact will excuse) would seem to hold good in all cases where the " 'act, if done knowingly, would be *malum in se*, but, where a statute " 'commands that an act be done or omitted, which in the absence " 'of such statute might have been done or omitted without culpa-" 'bility, ignorance of the fact or state of things contemplated by the " 'statute, it seems, will not excuse its violation. Thus, for example, " 'where the law enacts the forfeiture of a ship having smuggled " 'goods on board, and such goods are secreted on board by some of " 'the crew, the owners and officers being alike innocently ignorant " 'of the fact, yet the forfeiture is incurred notwithstanding their " 'ignorance. Such is also the case in regard to many other fiscal, " 'police, and other laws and regulations, for the mere violation of " 'which, irrespective of the motives or knowledge of the party, cer-

" 'tain penalties are enacted; for the law in these cases seems to
" 'bind the parties to know the facts and to obey the law at their
" 'peril.' To the same effect also is Wharton, Crim. Law, Secs. 83,
" 2442.

"Whether a criminal intent or a guilty knowledge is a necessary "ingredient of a statutory offense, therefore, is a matter of construc- "tion. It is for the Legislature to determine whether the public in- "jury, threatened in any particular matter, is such and so great as to "justify an absolute and indiscriminate prohibition. Even if, in the "honest prosecution of any particular trade or business, conducted "for the manufacture of articles of food, the product is healthful and "nutritious, yet, if the opportunities for fraud and adulteration are "such as threaten the public health, it is undoubtedly in the power of "the Legislature either to punish those who knowingly traffic in the "fraudulent article, or, by a sweeping provision to that effect, to pro- "hibit the manufacture and sale altogether. The question for us to "decide, therefore, is whether or not, from the language of the statute "and in view of the manifest purpose and design of the same, the "Legislature intended that the legality or illegality of the sale should "depend upon the ignorance or knowledge of the party charged. The "statute in question was an exercise of the police power, and the act "was sustained upon this ground not only in this Court but also in "the Supreme Court of the United States: Powell vs. Commonwealth, "114 Pa., 265; Powell vs. Pa., 127 U. S., 678. The prohibition is abso- "lute and general; it could not be expressed in terms more explicit "and comprehensive. The statutory definition of the offense em- "braces no word implying that the forbidden act shall be done know- "ingly or willfully, and, if it did, the design and purpose of the act "would be practically defeated. The intention of the Legislature is "plain, that persons engaged in the traffic shall engage in it at their "peril, and that they cannot set up their ignorance of the nature and "qualities of the commodities they sell as a defense.."

The Court then proceeds to refer to numerous authorities, and closes the opinion by saying: "This ignorance is not a sufficient ex- " cuse or justification under the act of assembly. If such a defense " could be successfully interposed in such cases, there would be few " convictions, and the law would be nullified for all practical pur- " poses." The judgment below was affirmed.

Commonwealth vs. Weiss, 139 Pa. St., 247.

That this same doctrine obtains in Great Britain, see Fitzpatrick vs. Kelly, L. R. 8 Q. B. Cases, 337.

Further illustrations of the general principle of statutory construction involved herein may be grouped as follows:

Adultery Cases: without allegation or proof that the defendant knew the woman to be married.

Com. vs. Elwell, 2 Metc., 190.

Bigamy Cases: although the defendant makes diligent inquiry, and after reasonable efforts to inform herself, does believe that her first husband is dead.

Com. vs. Marsh, 7 Metc., 472; Shaw, C. J.

Minor Cases: admitting minors to a billiard-room, although defendant believed the minors to be of full age.

Com. vs. Emmons, 98 Mass., 6.

Adulterated Liquor Cases: although defendant did not know them to be adulterated.

Com. vs. Boynton, 2 Allen, 160; Barnes vs. State, 19 Conn., 397; Com. vs. Hallett, 103 Mass., 452; Com. vs. Goodwin, 97 Mass., 117; King vs. State, 6 So. (Miss.), 188; State vs. Hatfield, 24 Wis., 60; Com. vs. O'Keene, 152 Mass., 584; Altshul vs. State, 8 Ohio C. C., 214.

Procuring Cases: In California, in prosecutions for procuring, ignorance of the age of the female is no defense whatever.

People vs. Dolan, 96 Cal., 315; People vs. Fowler, 88 Cal., 136.

The general principle that a person may be convicted of selling adulterated food without allegation or proof that he knew it to adulterated is amply sustained by the highest kind of authority.

Com. vs. Evans, 132 Mass., 11; Com. vs. Wentworth, 118 Mass., 441; State vs. Addington, 12 Mo. App., 214; State vs. Newton, 50 N. J. L., 536; People vs. Snowberger, 71 N. W. (Mich.), 497; State vs. Smith, 10 R. I., 260; Com. vs. Raymond, 97 Mass., 568; People vs. West, 106 N. Y., 286; Bissman vs. State, 9 Ohio C. C., 714; United States vs. Bayaud, 16 Fed Rep., 384-5; People vs. Mahaney, 41 Hun., 26; People vs Shaffer, 41 Hun., 23; People vs. Kibler, 106 N. Y., 322; People vs. Eddy, 12 N. Y. Supp., 628; Com. vs. Smith, 103 Mass., 444; Com. vs. Farron, 9 Allen, 489; Com. vs. Nichols, 10 Allen, 199; Com. vs. Wright, 11 Allen, 264; People vs. Zeigler, 6 Park C. Rep., 355; Powell vs. Com., 114 Pa. St., 294; affirmed, 127 U. S., 678.

Ignorance of the fact is no defense whatever in this class of cases; defendants are bound at their peril to ascertain the nature of the articles which they sell.

Com. vs. Boynton, 84 Mass., 160; Authorities, cited supra.

Criminal intent forms no element of the offense; nor is it necessary to show fraudulent intent. In this class of cases it is only

necessary to show, first, the fact of sale, and second, the fact of adulteration within the meaning of the act.

In a case cited above from the Court of Appeals of New York it was said by Finch, J.:

"The appellant was convicted of selling adulterated milk under "the provisions of Chapter 183 of the Laws of 1885, as amended by "Chapter 458 of that year. Section 1 provides that 'no person or per-"'sons shall sell or exchange or expose for sale or exchange any un-"'clean, impure, unhealthy, adulterated or unwholesome milk.' It "was proved that one Vandenburg, on Aug. 25, 1885, purchased at de-"fendant's store one pint of milk, which was shown, by a chemical "analysis, to have contained 89.04 per cent. of fluids and 7.78 per cent. "of milk solids, and so, falling below the standard fixed by the act, "came within its definition of adulterated milk. There was no dispute "about these facts, but the contention of the defendant is that he was "not allowed to show an absence of criminal intent, or go to the jury "on the question whether it existed, but was condemned under a "charge which made his intent totally immaterial, and his guilt con-"sisted in having sold the adulterated article whether he knew it or "not, and however carefully he had sought to keep on hand and sell "the genuine article. As the law stands, knowledge or intention "forms no element of the offense. The act alone, irrespective of its "notice, constitutes the crime. That conclusion was necessarily in-"volved in our decision of People vs. Cipperly (101 N. Y., 634; 37 "Hun., 323). On the trial of that case, the question was directly "presented. . . . There remains no reasonable doubt of the leg-"islative meaning, and the constitutional power to so enact we have "distinctly affirmed. The prudence of its exercise may be debatable, "but it is not indefensible. It is notorious that the adulteration of "food products has grown to proportions so enormous as to menace "the health and safety of the people. Ingenuity keeps pace with "greed, and the careless and heedless consumers are exposed to in-"creasing perils. To redress such evils is a plain duty but a difficult "task. Experience has taught the lesson that repressive measures "which depend for their efficiency upon proof of the dealer's know-"ledge and of his intent to deceive and defraud are of little use, and "rarely accomplish their purpose. Such an emergency may justify "legislation which throws upon the seller the entire responsibility "of the purity and soundness of what he sells, and compels him to "know and to be certain. We see no reason to change our ruling "either as to the construction of the act or its constitutionality."

People vs. Kibler, 106 N. Y., 322.

And in a later case in the same State, after referring to antecedent decisions, the Court said:

"In the case of People vs. Cipperly, 37 Hun., 324, it was held, by a "majority of the general term in the Third Department, that to con-"vict and punish a man for crime without proof of guilty knowl-"edge or criminal intent, upon evidence arbitrarily prescribed, "purely technical in character, and incapable of refutation by "the ordinary modes of contradiction, was to deprive him of "liberty or property without due process of law. But the "learned presiding Judge of that court held otherwise, and "the dissenting opinion by which he upheld his views was "adopted by the Court of Last Resort as a correct exposition of "the law. (People vs. Cipperley, 101 N. Y., 634.) These decisions are " conclusive upon all the real questions in this case. Under the law "as thus settled all the eivdence given or offered by the defendant "showing or tending to show that he neither knew nor had reason to "suspect that the milk sold by him was of less than standard quality; "that it was, in fact, absolutely pure, and as it came from the udders "of his cows; that his cows had been carefully selected, were in per-"fect health, cleanly kept, and well and properly fed; all the evi-"dence tending to show and which the jury, if the question might "have been submitted to them, would probably have found, that the "fraction of a few hundreds of 1 per cent by which the milk fell be-"low the statutory standard was due to the rapid and watery growth "of the grass in a season of almost constant rains—all this evidence " was entirely unavailing to the defendant."

(People vs. Eddy, 12 N. Y. Supp., 628; State vs. Campbell, 64 N. H., 402; authorities cited supra.)

The Supreme Court of New Jersey speaks on this subject with a distinctness which, I apprehend, must be painful to counsel on the other side. The Court said:

"Another objection is that it was neither averred nor approved "below that the plaintiff in certiorari knew that the oleomargarine "was colored with annotto, and without such knowledge he could not, "it is urged, be guilty of a penal act. In Halsted vs. State, 12 Vroom., "552, the Court of Errors land down the principle that, in regard to "statutory offenses, the defendant's knowledge of all the physical "facts which go to constitute the offense is not essential to guilt, un-"less made so by a proper construction of the statute itself. The "briefs in that case refer to many decisions illustrating the principle. "On recurring to the statute now under review, it is plain that there "are no words in the enactment showing a purpose to make knowl-"edge a constituent of the penal act. The prohibition is in clear and "simple terms against the sale of oleomargarine colored with annotto. "Unless, therefore, there be discoverable, in what may be deemed "the general design of the Lgislature, an intention to limit this lan-"guage to cases where the seller is shown to be cognizant of the

"character of the article sold, the terms of the statute should be "effectuated. This general design, as declared both in the title and "in the body of the act, is to prevent deception in the sale of oleo-"margarine, and if we have regard to the public sentiment out of "which the law sprung, it was, we think, not only to avoid, for the "sake of purchasers, the danger of their buying oleomargarine under "the belief that it was butter, but also, thereby, to secure to the "manufacturers of butter those advantages which fair and open com-"petition would afford. The object was, not to punish acts in-"trinsically wrong, but to prevent acts which in their results operated "unjustly on others. This object would be thwarted if sales could be "made with impunity by those ignorant of the ingredients of the "article sold. This interpretation of the law does not savor of un-"due severity. No doubt it may impose some hardship upon some "innocent vendors; but the means which dealers in these products "generally have of informing themselves as to the substances of "which they are compounded are so ample that but few will suffer "save through designs or negligence, while no practicable degree of "caution would protect purchasers; and it is manifest that the Legis-"lature has thought proper to incur the slight risk of injustice to the " few in order to escape the greater risk of injustice to the many."

(State vs. Newton, 50 N. J. L , 336-7.)

I may be permitted to observe in passing that this last case establishes the further proposition that the fact that the prohibited substances in a pure state may be wholesome and not injurious to health, is irrelevant in a judicial inquiry, and is no defense. And to the same effect see:

State vs. Addington, 12 Mo. App.,214; 77 Mo., 110; Powell vs. Commonwealth, 114 Pa. St., 295; Com. vs. Shafner, 146 Mass., 512.

In his brief, counsel has much to say concerning the Ohio decisions; and inasmuch as the statute under criticism here is a transcript of the Ohio statute, one can understand how the Ohio decisions ruffle counsel's characteristic serenity. But the Ohio decisions make strongly against his position and support in most unequivocal terms the view taken here. When, however, I speak of the Ohio decisions, I have reference to those only which have received the sanction of the higher courts of that State; and I make this remark because counsel, ignoring the opinions of the higher courts, has pinned his faith to the ill-advised and sophomoric lucubration of Judge Sibley, who, in the inferior and subordinate court of the Washington Common Pleas, decided the case of Haas vs. State, reported in 2 Ohio Dec., 177. This case of Haas vs. State arose and was disposed of in the year 1894; it is in opposition to all reason; its doctrine is in flat conflict with the current of respectable authority, and in opposition

to the views of the higher courts in the same State; and it is entitled to no consideration whatever. As illustrating the views of the higher courts of Ohio, I beg leave to refer to a case decided in that State long after the nebulous ruling in the Haas case. In the case to which I refer, the Court said: "As a general rule, guilty "knowledge or intent is an essential element in crime at the common "law, and also in statutory crime, but not wholly. The rule has its "exceptions, and especially so in statutory definitions of crime. "There are many cases in the statutes providing police regu-"lations, making certain acts penal, where this element is "wholly disregarded. This distinction is noted in 3 Greenl. Ev., Sec. "21, as follows: 'The rule—that ignorance of fact will excuse—" 'would seem to hold good in all cases where the act, if done know-" 'ingly, would be *malum in se*. But where a statute commands that " 'an act be done or omitted, which in the absence of such statute " 'might have been done or omitted without culpability, ignorance " 'of the fact, or state of things contemplated by the statute, it seems " 'will not excuse its violation. . . . . Such is also the case in re " 'gard to many other fiscal police and other laws and regulations, " 'for the mere violation of which, irrespective of the motives or " 'knowledge of the party, certain penalties are enacted; for the " 'law, in these cases, seems to bind the parties to know the fact and " 'to obey the law at their peril.' A relaxing and partial departure "from old rules seems proper, and even necessary, in all matters of "legislations designed to secure to the citizen the benefits of pure "food products and to afford protection against greedy and not over-"scrupulous dealers. Says the Supreme Court of Pennsylvania, 139 "Pa. St., 247, reported in 23 A. S. R., 182: 'It is for the Legislature to " 'determine whether the public injury, threatened in any particular " 'matter, is such and so great as to justify an absolute and indis-" 'criminate prohibition. Even if, in the honest prosecution of any " 'particular trade or business, conducted for the manufacture of " 'articles of food, the product is healthful and nutritious, yet if the " 'opportunities for frauds and adulterations are such as to threaten " 'the public health, it is undoubtedly in the power of the Legislature " 'either to punish those who knowingly traffic in the fraudulent " 'article, or by a sweeping provision to that effect to prohibit the " 'manufacture and sale altogether.' The enactment of the statute "in question, under which plaintiff in error was convicted and sen-"tenced, was a proper exercise of the police power, and the form of "the statute clearly evidences the purpose of the Legislature to pro-"vide the largest measure of protection possible by making the pro-"vision prohibitory. And the prohibition is absolute: 'That no per-" 'son shall, within this State, manufacture for sale, offer for sale, or " 'sell any drug or article of food which is adulterated,' etc. There is "nothing in the wording of the statute defining the offense from

"which it can be held to imply that the forbidden act shall be done "knowingly, willfully, or purposely. The declaration is definite and "clear, and the intent plainly manifest, that the manufacture or sale "of adulterated or impure articles of food, with or without knowl-"edge of such adulteration or impurity, is unlawful; and it follows "that persons who engage in such traffic do so at their peril, and that "they cannot set up their ignorance of the character and quality of "the article they sell as a defense to a prosecution for unlawful sell-"ing."

(Bissman vs. State, 9 Ohio C. C., 716-8.)

And here let me point out to the court the identity between the Ohio prohibition just referred to and that contained in the California statute now under consideration. But when we advance to the Supreme Court of the State of Ohio we find the doctrine of this Bissman case amply sustained. In a case decided in that court as late as 1860 we find the Court saying: "The first section of the act of March 20, "1884, provides 'that no person shall within this State manufacture " 'for sale, offer for sale, or sell any drug or article of food which is " 'adulterated within the meaning of this act.' Other provisions of "the statute are devoted to the definition of the terms used in the "first section, and to prescribing penalties for the violation of the "act. It is not doubted that molasses to which glucose has been "added is an article of adulterated food within the meaning of the "statute. The act does not, in terms, require, to constitute an of-"fense against its provisions, that the adulterated article of food "shall be sold to be used by the purchaser as human food. Nor does "it, in terms, require, as an element of the offense, knowledge of the "fact that the article is adulterated, or provide that a want of such "knowledge shall constitute a defense. . . . . Purpose and knowl-"edge, except when they are indicated by the character of the for-"bidden act, are, in most cases, insusceptible of proof. If this statute "had imposed upon the State the burden of proving the purpose of "the vendor in selling an article of food, or his knowledge of its "adulteration, it would thereby have defeated its declared purpose. ". . . . If knowledge of the adulteration were an element of the "offense, it would be incumbent upon the State to establish it; but "since it is not the defendant could derive no advantage from any "evidence tending to show the absence of such knowledge. . . . . "In the enactment of this statute, it was the evident purpose of the "general assembly to protect the public against the harmful conse-"quences of the sales of adulterated food and drugs, and to the end "that its purpose might not be defeated, to require the seller at his "peril to know that the article which he offers for sale is not adulter-"ated, or to demand of those from whom he purchases indemnity

"against the penalties that may be imposed upon him because of "their concealment of the adulteration of the articles."

(State vs. Kelly, 43 N. E. (Ohio Sup. Ct.), 163.

That the inconvenience of the seller must yield to the public good is plain, not only from the expressions of opinion already quoted from the New Jersey case hereinabove cited, but also from the following pointed language written by no less a person than Mr. Justice Thompson of Missouri. This learned jurist, speaking on this subject, says: "Enlightened by so many expressions of judicial opinion, "nearly all of them tending in the same direction, we feel bound to "hold that a statute prohibiting the manufacture and sale of an "article of food made in imitation of a wholesome article in common "use, which imitated article is so repugnant to the tastes and preju-"dices of our people that they will not eat it when advised of its real "character, but only when cheated into the belief that it is the "genuine article in resemblance of which it is made, is a statute "fairly within the police power of the State, not opposed to any pro-"vision of the Constitution of the State or of the Constitution of the "United States, and the wisdom of which is not to be called in ques-"tion in the judicial courts; and that this is so, although particular "samples of such imitative articles may, in the opinion of scientific "men, be as wholesome and beneficial an article of food as the origi-"nal substance in imitation of which it is made. If this defendant "suffers inconvenience from the statute, it is but one of the many "cases where the convenience of the individual must yield to the pub-"lic good.

"In the language of a recent decision of the Supreme Court of the "United States: 'If the public safety or the public morals require the " 'discontinuance of any manufacture or traffic, the hand of the Legis-" 'lature cannot be stayed from providing for its discontinuance, by " 'any incidental inconvenience which individuals or corporations " 'may suffer. All rights are held subject to the police power of the " 'State.' Beer Company vs. Massachusetts, 97 U. S., 25, 32."

(State vs. Addington, 12 Mo. App., 227-8.)

CONCLUSION.

Various other points have been made by appellants in these cases, but they are not of sufficient importance to warrant or merit attention. It is to be hoped that, for the purpose of giving a definitive shape to the law upon this subject, the Court will be able to abstract from its many engagements sufficient time to prepare a written opinion in these cases. Such an opinion would be of great assistance to

the Police and Health and District Attorney's Departments of the Municipal Government, and would eliminate from future controversies much doubt and uncertainty. It is respectfully submitted that the judgments herein should be affirmed.

J. J. DUNNE,
Assistant District Attorney.

Superior Judges Cook, Wallace and Borden, sitting in banc, passed on the case pending on appeal, and rendered the following opinion, which, as it bears directly upon work accomplished by the Bureau of Food Inspection during the past fiscal year, deserves, in my judgment, a place in the annual report:

OPINION.

IN THE SUPERIOR COURT OF THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA.

DEPARTMENT 12.

THE PEOPLE OF THE STATE OF CALIFORNIA, *Respondent*, vs. LOUIS FEUSIER, *Appellant*.	No. 12,047

This is one of the so-called "pure food cases," pending on appeal in this Court. Counsel on both sides, in the elaborate printed briefs presented by them, urge the filing of a written opinion herein. The questions involved are of such a character that the Court considers it a proper case for such an opinion; several questions of practice being involved and an interpretation of the statute under which the prosecution was had, being called for.

JURISDICTION.

The first question raised is that of *jurisdiction*.

The prosecution was had under the statute of March 26, 1895, which is unquestionably a constitutional statute and one clearly within the police power of the Legislature. The preservation of the

health of the citizen is one of the first duties of government. (Powell vs. Com., 114 Pa. St., 294; S. C. 127 U. S., 678; People vs. Cipperly, 37 Hun., 324; S. C., 101 N. Y., 634; State vs. Groves, 2 Atl. Rep. (R. I.), 784; State vs. Smith, 14 R. I., 100; S. C., 51 Am. Rep., 344; Com. vs. Evans, 132 Mass., 11; Com. vs. Smith, 103 Mass., 444; Com. vs. Wentworth, 118 Mass., 441; State vs. Newton, 45 N. J. L., 469; S. C., 50 N. J. L., 534; Pierce vs. State, 63 Md., 592; Butler vs. Cambers, 36 Minn., 69; State vs. Addington, 12 Mo. App., 214; S. C., 77 Mo., 117; Phillip vs. Lee, 75 Ill., 334; Bainbridge vs. State, 30 Ohio St., 264; U. S. vs. Bayard, 16 Fed. Rep., 384; State vs. Campbell, 64 N. H., 402; People vs. West, 44 Hun., 162; S. C., 106 N. Y., 296; State vs. Aronsberg, 105 N. Y., 123; S. C., 59 Am. Rep., 483.)

It is urged by appellant, that by reason of the *possible* penalty of the act, the Police Court of this city and county had no jurisdiction to try the cause. This same question was presented on *habeas corpus* proceedings to me and again to Judge Seawell, of this Court, on behalf of Louis Harter, and on both hearings the prisoner was remanded. Subsequently an application for a writ of *habeas corpus* on his behalf, was made to our Supreme Court, on this ground. Such writ was, by that Court, in bank, denied, the Court holding that "for the purpose of determining jurisdiction, the costs recoverable are not to be deemed a part of the penalty." There is no merit, therefore, in the first point made by appellant.

CHANGE OF TRIAL JUDGE.

The second point made is that the trial Court had no jurisdiction to try the cause, because prior to the commencement of the trial, the defendant filed an affidavit wherein it was stated that he did believe and had reason to believe that said Judge was prejudiced against him. The question here presented has been heretofore presented to this Court, once to Judge Hunt, and once to ex-Judge D. J. Murphy. As stated by counsel, in their briefs, Judge Hunt took one view of the matter, and Judge Murphy held views directly contrary. This Court does not agree with the opinion expressed by Judge Murphy in the case decided by him, and the decision in that case rendered (McAuliffe vs. Conlon) is overruled. In the case of *Ex parte* Wright, 119 Cal., 401, the Supreme Court, in direct opposition to the opinion of Judge Murphy (cited by counsel), holds that the refusal of the Justice to change the place of trial *may* have been an error, and if so that the prisoner had an ample remedy by appeal, but that the question was not one of jurisdiction. (See also Lowrey vs. Hogue, 85 Cal., 602.)

The affidavit for transfer of the cause to another Police Judge, was based on Section 1431 of the Penal Code. By that section it is

necessary that *two* facts should *appear* by the affidavit. It is not sufficient that *one* of them *only* appears. The section reads: "If the action or proceeding is in a Justice's Court, a change of the place of trial may be had at any time before the trial commences: 1. When it *appears* from *the affidavit* of the defendant that he has reason to believe, *and* does believe, that he cannot have a fair and impartial trial before the Justice about to try the cause, by reason of the prejudice or bias of such Judge, the cause must be transferred to another Justice of the same or an adjoining township. * * *" It must appear *from the affidavit*, first, that the defendant *has reason* to believe, and, secondly, that he *does* believe, that by reason of the prejudice of the Justice, he cannot have a fair and impartial trial. If counsel's contention were to be sustained, no criminal could ever be brought to trial for a petty offense. All that would be necessary would be for him, through the aid of an unscrupulous attorney, to present successively to each Justice to whom the case might be transferred, an affidavit stating that he did believe and had reason to believe such Justice disqualified, until in the end all Justices in the State having power to try the cause should be exhausted. No such absurdity was ever contemplated by the Legislature in the passage of Section 1431 of the Penal Code. The record in this case shows that an affidavit was presented which did positively state that the defendant *believed* the Judge to be prejudiced, but it wholly fails to fulfill the further requirements of the statute and set forth *facts* showing any *reason* for such belief. The affidavit merely states that the defendant is informed and believes that certain facts exist, without showing from what source his information came or whether it was reliable or not. This is wholly insufficient; the statute provides that it must *appear* from the affidavit that certain facts exist. The reasons must be made *apparent* by the affidavit. (*Ex parte* Wright, 119 Cal., 401; Lowrey vs. Hogue, 85 Cal., 602; C. C. P., 897-833; Penal Code, 1431, 1033, 1034, 1035; People vs. Hubbard, 22 Cal., 37; People vs. Maloney, 18 Cal., 180; People vs. Williams, 24 Cal., 31; People vs. Schuler, 28 Cal., 490; People vs. Lee, 5 Cal., 354; Krundick vs. Krump, 98 Cal., 119; People vs. District Court, 17 Cal., 547; People vs. Bell, 4 Cal., 179; McCauley vs. Brooks, 16 Cal., 1; Wood vs. Strother, 76 Cal., 543; State vs. Johnson, 4 Wallace, 489; Mining Co. vs. Kaiser, 58 Cal., 324; People vs. Yoakum, 53 Cal., 571.)

VARIANCE.

The third point made by appellant is that there is a variance between the complaint and the proof. We can find no such variance as would justify a reversal of the judgment appealed from.

CRIMINAL LIABILITY OF PRINCIPAL FOR ACT OF AGENT.

The fourth point is that the employee instead of the employer should have been prosecuted. Where clerks and salesmen are employed for the specific purpose of selling to customers the goods contained in a store, so far as the sale of *such goods* is concerned, the acts of such clerks and salesmen are the acts of the proprietor. The evidence in this case shows the salesman to have been employed as a salesman by the defendant, and that the goods sold were taken from the stock of goods in the store, which he was employed to sell. We are satisfied that such proof is all that is required to hold the employer guilty, provided, in selling the goods, the law was violated. (Penal Code, Secs. 31 and 659; Smith vs. State, 21 Tex App., 96; Com. vs. Warren, 160 Mass., 533; Com. vs. Proctor, 165 Mass., 78; Bissman vs. State, 9 Ohio C. C., 714.) In the other so-called "pure food cases," decided by this Court, these facts did not appear.

CRIMINAL INTENT.

The last and main point made by appellant in his opening brief is, that the prosecution failed to show that defendant *knew* the goods sold to be adulterated, and that defendant should have been permitted to show that he did not know them to be so. This point calls for an interpretation of the statute under which the prosecution is had, without any ruling of our own Supreme Court thereon.

The briefs filed by the respective counsel herein have elaborately discussed this question, and decisions *pro* and *con* from other jurisdictions have been quoted in the briefs at great length. The statute here in question nowhere requires any *knowledge* of the adulterated character of the goods as an essential to the completion of the crime of selling such goods. The provision is that he who sells adulterated goods is guilty of a crime. Not to know what he is selling, is clearly made by the statute criminal negligence. Taking the words of the statute as indicating the intent of the Legislature, we find that certain elements are specified as necessary for the completion of the crime. No allusion is made to knowledge. Had the Legislature intended to make a knowledge of adulteration an element of the crime, they could and would have said so. *Statutory* crimes, where knowledge or intent are *not* elements of the offense, are common. The rule applied to such cases is that where a statute forbids the doing of a certain act under certain circumstances, without reference to knowledge or intent, any person doing the act mentioned is charged with the duty of knowing that the circumstances attending his act are such as to make it lawful. We are satisfied that under

such statutes conviction may be had upon proof of doing the forbidden act, without proof of knowledge by the accused of the circumstances specified in the statute.

It is clear to us that he who, by himself, or through a clerk, sells food which has been adulterated, *whether he knew it to be adulterated or not*, commits a crime under this law. He sells it at his peril, and is guilty of criminal negligence if he does not know it to be unadulterated. The lower Court, in charging the jury, told them that Section 20 of the Penal Code did "not apply in this case." This was a technical error, but was not such an error as to require a reversal of the judgment appealed from. The Court should have read to the jury that section and then explained to them that to sell food without knowing it to be unadulterated was such criminal negligence as is meant by the statute.

Many cases have been examined in coming to this conclusion, and without quoting therefrom we cite the following as those upon which, taken together, we base our opinion:

Com. vs. Warren, 160 Mass., 533; Com. vs. Proctor, 165 Mass., 78 Bissman vs. State, 9 Ohio, C. C., 714; Verona C. Co. vs. Murtagh, 50 N. Y., 317; State vs. Zichfield, 46 Pac. Rep., 802; U. S. vs. Bayaud, 16 Fed. Rep., 384; 3 Ben., 558; Com. vs. Weiss, 139 Pa. St., 247; Fitzpatrick vs. Kelly, L. R. 8 Q. B. Cases, 337; Com. vs. Elwell, 2 Metc., 190; Com. vs. Marsh, 7 Metc., 472; Com. vs. Emmons, 98 Mass., 6; Com. vs. Boynton, 2 Allen, 160; Barnes vs. State, 19 Conn., 397; Com. vs. Hallett, 103 Mass., 452; Com. vs. Goodwin, 97 Mass., 117; King vs. State, 6 So., (Miss.), 188; State vs. Hatfield, 24 Wis., 60; Com. vs. O'Keene, 152 Mass., 584; Altschul vs. State, 8 Ohio C. C., 214; People vs. Dolan, 96 Cal., 315; People vs. Fowler, 88 Cal., 136; State vs. Addington, 12 Mo. App., 214; State vs. Newton, 50 N. J. L., 536; People vs. Snowberger, 71 N. W. (Mich.), 497; State vs. Smith, 10 R. I., 260; People vs. West, 106 N. Y., 286; People vs. Mahaney, 41 Hun., 26; People vs. Shaffer, 41 Hunn., 23; People vs. Kibler, 106 N. Y., 322; People vs. Eddy, 12 N. Y. Supp., 628; People vs. Zeigler, 6 Park. C. Rep., 355; Powell vs. Com., 114 Pa. St., 294; S. C. 127 U. S., 678; State vs. Campbell, 64 N. H., 402; State vs. Kelly, 43 N. E. (Ohio), 163.

There are some few other points made in appellant's closing brief, but as they were not presented in the opening brief the District Attorney has had no opportunity to reply to them, and in justice to the people they ought not to be considered. We have, however, examined the record, and fail to find that it shows any errors which require a reversal of the judgment. The only other point made which we consider of importance is the ruling made at the time the chal-

lenge to the panel was interposed by defendant, but on this point the statement on appeal fails to set forth the proceedings had with sufficient clearness for us to determine whether error was or was not committed. Further, it does not appear that any of the jurors in the panel challenged were sworn to try the cause. It further appears, by the record, that the jurors were *not* summoned by the person whose presence defendant desired as a witness in support of his challenge and whom it was claimed summoned the jurors. No injury therefore, resulted.

For the reasons herein given, I am of the opinion that the judgment and order appealed from herein should be affirmed.

CARROLL COOK, Judge.

We concur:

WM. T. WALLACE, Judge.

RHODES BORDEN, Judge.

Dated August 30th, 1898.

Ordered that judgment and order appealed from herein be and the same is hereby affirmed.

WM. T. WALLACE,
CARROLL COOK,
RHODES BORDEN,
Judges of the Superior Court.

Dated August 30th, 1898.

During the months November, December and January, the work of inspecting food, milk and dairies proceeded on the same plan as prior to the organization of the Bureau of Food Inspection, viz.; being carried on by myself alone as well as possible under such adverse circumstances.

During the month of November I inspected 300 milk wagons, from which 110 samples were selected and submitted to the Babcock test; five of same were found to be below the standard. In consequence thereof I recommended that the permits of the guilty dealers be revoked. I also condemned and destroyed 286 packages of canned goods and 87 gallons of adulterated milk.

In the month of December 25 dairies were inspected, 18 of which were found in an unclean condition; the owners were notified to comply with the instructions of the Board of Health.

In the month of January 21 dairies were visited, and owners notified to put same in sanitary condition. 431 milk wagons were inspected, from which samples were selected, and found to be at standard. Eleven Deputy Food Inspectors were appointed and assigned to the Bureau of Food Inspection, to report for duty on February 1st.

I divided the city and county into five districts as to dairy inspection, and four districts as to milk inspection, detailing the deputies to the various districts. During this month 246 samples of milk were taken, of which 148 were above standard, 47 at standard and 51 below standard. 192 dairies were inspected, and 8 found in bad condition.

During the month of March 394 samples of milk were taken from wagons, of which 187 were above standard, 117 at standard and 90 below standard. A night patrol was established, and 115 wagons examined, resulting in finding over one-third of that number with a quality of milk not up to the standard required by your honorable board. In all cases where the milk was found to be below the standard the owners were notified that a second violation would be followed by arrest and prosecution. 182 dairies were visited, and 12 were found in bad condition.

In April 297 samples of milk were taken, 84 were found to be above standard, 186 at standard, and 27 below standard. 144 dairies were visited, and 8 found in bad condition.

During the month of May 117 dairies were visited and found in good condition. 250 samples of milk were taken, of which 115 were found to be above standard, 92 at standard, and 43 below standard. At Reid's Cash Store, 126 Seventh street, I condemned 27 large sacks of assorted dried fruits, and 11 boxes of dried figs. Fourteen milk

dealers were arrested for selling adulterated milk, thirteen of whom were convicted, with fines aggregating $110.

During the month of June 502 samples of milk were taken, of which 268 were above standard, 182 at standard, and 52 below standard. Sixteen dealers were arrested for selling adulterated milk, with fines aggregating $130. Two hundred and seventeen dairies were visited, and one found in bad condition.

On March 1st, a special meeting of the Board of Health was held to hear attorneys representing dairymen from outside counties in the matter of the quarantine of infected cattle and milk. W. W. Foote, Esq., appeared in behalf of the dairymen of this county, and made the following objection: That the herds in this county supply practically about thirty per cent. only of the milk consumed in this city, the balance coming from adjacent counties. His clients claimed that the tuberculin test was not being enforced in outside counties, and that to enforce this test in the county of San Francisco would work an unnecessary hardship and discrimination against the dairymen of this county.

Dr. J. M. Williamson stated that: "A few months ago the Board of Health had passed a resolution placing a quarantine upon all milk coming from outside counties, where the milk did not bear evidence of coming from herds which had been submitted to the tuberculin test. The quarantine was raised mainly upon the representations of the authorities of the outlying counties to the effect that resolutions would be passed by such authorities and tuberculin inspection commenced at once. This has been done in some counties. In others it has been entirely neglected, and for the latter reason these gentlemen were invited to meet the Board to-day, and state what is being done in regard to the enforcement of this test."

Mr. Foote said he had stated all he desired, and that the facts as cited by Dr. Williamson were correct, "that practically the milk produced in this county is only thirty per cent. of the amount consumed here."

"Now, the Board of Health of this county does not claim jurisdiction outside, and if this test is to be applied here only, and we are to be subjected to the annoyance of an examination and the destruction of the cattle, it would not do a great deal towards purifying the milk supply, because seventy per cent. of it comes from outside counties. We were informed by some gentleman of the Board of Health, or some attorney representing the outside counties, that an inspection had been attempted in Marin and San Mateo counties, but the dairymen had declined to allow the test to be made, and we thought, in the interest of justice, if they would not subject themselves to the same rules that were applied to the dairymen in San Francisco, there ought to be a quarantine of that milk. I don't believe the law is in such a position now that if it were resisted strenuously in the courts that you gentlemen could enforce it; I don't believe you can enforce it if it is resisted."

Dr. Williamson said: "I think Mr. Dockery being thoroughly familiar with the history of this inspection could make a statement to the Board, and cite some instances which have occurred in the progress of this inspection."

Mr. Dockery then stated: "In reference to the inspection of cattle and the quarantining of milk in adjacent counties, I will say that the tuberculin inspection commenced about the 15th of April, 1896. The first dairy inspected was that of Nick Hansen, The California Dairy. After that the inspection went on at the Swiss Alpine Dairy; that was in July, but on the 25th of June we had the same protest from the dairymen of San Francisco county, which is a just one, that it is not fair to them to go through their herds with the tuberculin test and kill off their cattle, where but thirty per cent. of the milk provided comes from their dairies, and seventy per cent. from outside counties."

On the 20th of June, 1896, the Board of Health issued an order notifying dairymen in adjacent counties that on and after the 1st day of October, 1896, all milk coming into the city and county of San Francisco from other counties,

where the dairy herds had not been submitted to the tuberculin test, or where the proprietors refused to allow their herds to be submitted to such test, would be quarantined against.

Along about the middle of September, from that up to the 1st of October, dairymen in adjacent counties protested that the time was too short, that it was an utter impossibility for them to proceed with the tuberculin test and complete it in that time. There was a meeting of the Board of Health on September 29th, and the order issued in regard to quarantining the milk on Oct. 1st was rescinded, and the following resolution was passed:

At a meeting of the Board of Health held August 11th, 1896, with those furnishing milk for this city and with the Health Officers of San Mateo and Santa Clara counties, Oakland and Berkeley, it was stated to this Board that it had been and was impossible for those supplying milk for the city to comply with the Order of this Board of June 25th, 1896, providing for the quarantining of all milk from cows that had not been tested by the U. S. Tuberculin test.

After a careful investigation it has been found that the statements there made were true, and that such impossibility has been due to causes over which neither this Board nor, in many instances, those interested had control.

It is therefore resolved, That the operation of so much of our Order of the 25th of June, 1896, as requires on and after 1st of October, 1896, the quarantining of milk from cows not so as above tested be postponed until the further order of this Board, in so far only, however, as concerns such persons, firms or corporations supplying milk for this city as shall daily submit such supply of milk for inspection at the most convenient inspection station of the four open food inspection stations, as soon as such stations are ready for operation, and shall comply further with all rules and regulations of this city, and the laws of this State.

This resolution was complied with by the shippers.

Later on there were many conferences held between the Board of Health and the prominent dairymen of this county, the latter protested against the Board of Health continuing to apply the tuberculin test to their herds, until after such time as the Legislature would meet; they contended that

they would have a law passed which would be just and equitable to all. Their main objection was, that if the tuberculin inspection were carried on, and if a dairyman would have fifty per cent. of his herd condemned and destroyed as the result of such test, there would be no other recourse than to go into the interior and purchase cows that had not been inspected by the tuberculin test, and they further contended that the Board would have the power to inspect the newly purchased cows, and possibly condemn and destroy fifty per cent. of them.

The result of this conference was that the Board of Health took the same view of the matter, consequently it was decided that there would be no further inspection until after the Legislature had met and adjourned.

During the month of June, 1897 (the Legislature having met and adjourned), the Board of Health issued orders to proceed with the tuberculin test. We started on George C. Smart's dairy and proceeded on different dairies, continuing to apply the test until November 1st, after which date further inspection could not be carried on, owing to the fact that the Board of Supervisors had failed to make the necessary appropriation.

During the latter part of July an order which was in force in Alameda County, in reference to the testing of cattle was rescinded by the Board of Supervisors of that county; consequently, on July 21st, 1897 there was a resolution passed by the Board of Health of San Francisco refusing entry of milk that came from uninspected cows, and on July 23d I was ordered by the Board of Health to quarantine all milk coming from adjacent counties. I proceeded and quarantined the same. The quarantine was raised by order of the Board of Health for the following reason.

I received a telegram from the Chairman of the Board of Supervisors of Marin county, as follows:

San Rafael, Marin County, Cal.
July 23rd, 1897.

To Whom It May Concern:—I hereby certify that at a meeting of the Board of Supervisors of Marin County, held on the 19th instant, an ordinance was regularly passed making three provisions, as follows:

First—For the appointment of a Sanitary Inspector of Dairies in Marin County.

Second—For the appointment of a Health Officer.

Third—For the appointment of a Veterinary Surgeon.

That this order has been duly published and will take effect in 15 days. There is no opposition in Marin County to said order, and, so far as I know, every dairyman is in full accord with the rules established by the Board of Health of San Francisco.

(Signed.) WM. BARR, Chairman.

On receipt of the above the quarantine on milk from Marin County was raised immediately. I was informed that in Contra Costa county there was at that time no Health Officer, but a promise made that the Board of Supervisors would as soon as possible appoint an officer who would attend to the matter.

A number of dairymen from Alameda county came to this city; also the Health Officer of Oakland, Dr. Dunn. They were very anxious to have their cows tested, but there were no provisions made wherein they could do so, there being some conflict amongst the Veterinary Surgeons or authorities in their county. I so reported the matter to the Board of Health, and on July 28th the quarantine was finally raised, with the understanding that suitable legislation would be enacted by the various Boards of Supervisors in order that the cows should be regularly tested with the tuberculin test.

On the 11th of September I was in Santa Rosa, and went before the Board of Supervisors there; the Mayor was present at the meeting, and the condition of affairs there were the same as in Alameda county; there seemed to be no funds and no provisions made for any inspection. I suggested that they appoint a committee to visit the Board

of Health of this city and confer with them. I stated that the Board of Health here did not desire to do any injustice to dairymen in adjacent counties, but would positively insist on the tuberculin test being applied. The dairymen complied with the request, and there was a committee of five appointed; said committee appeared before the Board of Health, and stated that they would be in full accord with whatever rules and regulations were laid down by the Board. In Marin county a committee of five was appointed to confer with the Board here, and at a meeting held October 14th, at which said committee was present, they agreed to comply with the rules and regulations of the Board of Health of San Francisco. In November I was instructed to visit the various adjacent counties and ascertain the names of dairymen who refused to allow the test to be applied to their herds. On December 12th I filed a report giving the names of numerous dairymen in Alameda and Contra Costa counties who refused to comply with the rules of the Board.

The dairymen in this county have shown a disposition to conform to the rules and regulations as laid down by the Board of Health, and in our visits to the different dairies, and in consulting with our leading dairymen, there is no objection whatever shown on their part to submit their herds to the tuberculin test, provided the Board of Health will insist that all counties from which milk is shipped into this county must have their herds tested also; therefore, I recommend most strongly that after all the notices of warning that have been sent to dairymen in adjacent counties in regard to products coming into the city and county of San Francisco from diseased cattle: That on and after the 1st day of April, 1898, all dairy products coming into the city and county of San Francisco from dairies whose herds have not been submitted, or whose proprietors refuse to allow their herds to be submitted to the tuberculin test, be quarantined against.

After a lengthy discussion the matter was referred to Garret W. McEnerney, Attorney of the Board of Health, for an opinion, and still remains in abeyance.

REPORT OF MILK AND FOOD INSPECTION.

I herewith submit a report in full of the work done at the four Milk and Food Stations, from July, 1897, up to the time they were abolished on account of necessary funds not having been provided for their maintenance by the honorable Board of Supervisors:

STATION NO. 1—(Clay Street Wharf).

H. O'DONNELL.....Deputy Food Inspector.
J. S. REGAN.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1897—July	2,972		272,262	
August	2,964		279,703	
September	2,867		261,354	
October	2,838		260,820	
Total		11,641		1,074,139

STATION NO. 2—(Corner Berry and Fourth Streets).

JOSEPH LEHANEY.....Deputy Food Inspector.
JOHN BREEZE.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1897—July	1,634		83,342	
August	1,644		84,990	
September	1,456		78,277	
October	1,406		73,227	
Total		6,140		319,836

STATION NO. 3—(Army and Alabama Streets).

B. HANLON.....Deputy Food Inspector.
G. W. DAVIS.....Deputy Food Inspector.
WM. BRENNAN.....Deputy Food Inspector.
P. KISSANE.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1897—July	12,083		485,476	
August	11,956		463,824	
September	11,299		448,146	
October	12,061		480,293	
Total		47,399		1,877,739

STATION NO. 4—(Geary Street and Central Avenue).

A. J. HARRIGAN.....Deputy Food Inspector.
T. McENROE.....Deputy Food Inspector.

MONTH.	WAGONS INSPECTED.		MILK INSPECTED.	
	Number.	Total.	Gallons.	Total.
1892—July	1,359		32,632	
August	1,359		32,967	
September	1,335		32,035	
October	1,304		31,801	
Total		5,357		129,435

RECAPITULATION.

Total number wagons inspected..... 70,537
Total number gallons inspected..... 3,401,140

SAMPLES OF MILK TAKEN FROM WAGONS FROM JULY 1st, 1897, TO JUNE 30th, 1898.

MONTH.	NUMBER OF SAMPLES ABOVE STANDARD.	NUMBER OF SAMPLES AT STANDARD.	NUMBER OF SAMPLES BELOW STANDARD.	TOTAL.
1897—July	* 2	*	*	2 *
August	*	*	*	*
September	*	*	*	*
October	61	4	13	78
November	88	12	10	110
December	19	3	3	25
1898—January	2	3	2	7
February	148	47	51	246
March	187	117	90	394
April	84	186	27	297
May	115	92	43	250
June	268	182	52	502
Total	974	646	291	1,911

*For months of July, August, September and October, see table of Inspection Stations.

Total number samples taken.....1,911
Total number above standard.....974
Total number at standard.....646
Total number below standard.....291

The following table shows the source and amount of the average daily milk supply of this city:

Napa county	30 gals.
Solano county	188 gals.
Alameda county	392 gals.
Contra Costa county	593 gals.
Santa Clara county	646 gals.
Sonoma county	2,330 gals.
Marin county	6,076 gals.
San Mateo county	6,095 gals.
San Francisco	12,455 gals.
Total daily average	28,455 gals.

SAMPLES OF FOOD

PURCHASED, SEIZED AND BROUGHT INTO BUREAU, FOR CHEMICAL ANALYSIS, SAME FORWARDED TO CHEMICAL LABORATORY.

NAME OF ARTICLE.	NUMBER OF SAMPLES.	NAME OF ARTICLE.	NUMBER OF SAMPLES.
Tomato catsup	4	Black pepper	32
Worcestershire sauce	2	Tea and coffee	16
Condensed milk	22	Vinegar	109
Evaporated cream	11	Milk	167
Honey	15	Toxicological cases	15
Jelly	9	Miscellaneous articles	30
Olive oil	57	Water	29

For result of analysis, see Chemist's report.

Respectfully submitted,

JAMES P. DOCKERY,

Chief Food Inspector.

REPORTS OF HEALTH INSPECTORS.

FIRST DISTRICT—WM. FINNIGAN, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 1 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	7	
Number of complaints filed during year	649	
		656
Number of complaints abated	193	
Number of complaints, no cause	154	
Number of complaints referred to other departments	307	
Number of complaints unabated	2	
		656
Number of cases diphtheria reported	27	
Number of cases scarlatina reported	11	
Number of cases typhoid fever reported	5	
Number of cases measles reported	5	
Number of fumigations		46

SECOND DISTRICT—OTTO LUDERS, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 2 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	2	
Number of complaints filed during year	473	
		475
Number of complaints abated	260	
Number of complaints, no cause	44	
Number of complaints referred to other departments	171	
Number of complaints unabated	0	
		475
Number of cases diphtheria reported	39	
Number of cases scarlatina reported	9	
Number of cases typhoid fever reported	2	
Number of cases measles reported	1	
Number of fumigations		49

THIRD DISTRICT—JAS. W. CROWE, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 3 for the fiscal year ending June 30th, 1898:

Number of complaints filed during year	679	
Number of cases unabated June 30th, 1897	6	
		685
Number of complaints abated	337	
Number of complaints, no cause	97	
Number of complaints referred to other departments	251	
Number of complaints unabated	0	
		685
Number of cases diphtheria reported	83	
Number of cases scarlatina reported	15	
Number of cases typhoid fever reported	9	
Number of cases measles reported	2	
Number of fumigations		80

FOURTH DISTRICT—W. H. DUREN, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 4 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	14	
Number of complaints filed during year	422	
		436
Number of complaints abated	227	
Number of complaints, no cause	57	
Number of complaints referred to other departments	147	
Number of complaints unabated	5	
		436
Number of cases diphtheria reported	71	
Number of cases scarlatina reported	22	
Number of cases typhoid fever reported	2	
Number of cases measles reported	1	
Number of fumigations		90

FIFTH DISTRICT—A. B. KINNE, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 5 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	39	
Number of complaints filed during year	622	
		661
Number of complaints abated	189	
Number of complaints, no cause	53	
Number of complaints referred to other departments	419	
Number of complaints unabated	0	
		661
Number of cases diphtheria reported	62	
Number of cases scarlatina reported	20	
Number of cases typhoid fever reported	1	
Number of cases measles reported	6	
Number of fumigations		69

SIXTH DISTRICT—T. DONOVAN, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 6 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	45	
Number of complaints filed during year	576	
		621
Number of complaints abated	248	
Number of complaints, no cause	64	
Number of complaints referred to other departments	302	
Number of complaints unabated	7	
		621
Number of cases diphtheria reported	88	
Number of cases scarlatina reported	5	
Number of cases typhoid fever reported	3	
Number of fumigations		77

SEVENTH DISTRICT—I. L. DAVID, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No. 7 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	28	
Number of complaints filed during year	605	
		633
Number of complaints abated	288	
Number of complaints referred to other departments	249	
Number of complaints unabated at last report	2	
Number of complaints, no cause	94	
		633
Number of cases diphtheria reported	102	
Number of cases scarlatina reported	23	
Number of cases typhoid fever reported	11	
Number of cases measles reported	1	
Number of fumigations		124

EIGHTH DISTRICT—F. E. BENJAMIN, INSPECTOR.

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my report for District No 8 for the fiscal year ending June 30th, 1898:

Number of complaints unabated June 30th, 1897	34	
Number of complaints filed during year	588	
		622
Number of complaints abated	326	
Number of complaints, no cause	114	
Number of complaints referred to other departments	163	
Number of complaints unabated	19	
		622
Number of cases diphtheria reported	90	
Number of cases scarlatina reported	8	
Number of cases typhoid fever reported	7	
Number of cases measles reported	1	
Number of fumigations		90

REPORT OF CHIEF PLUMBING INSPECTOR.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: In connection with my annual report I beg leave to submit a review of the work performed by the Plumbing Department during the year, more particularly in reference to the results accomplished in the special investigations ordered by your honorable body in the Chinese, Latin and tenement-house districts of the city. When my annual report of 1897 was filed, a house-to-house inspection in the greater part of Chinatown had been finished. Conditions of the most repulsive and unsanitary character had been removed and the district investigated by this Department had been made more healthful, more habitable to its residents and less of a menace to the general health of the community than it had ever been before in its existence. Considerable work of the same kind, involving great and persistent labor, had also been done in the Latin quarter and in the tenement house district.

During the fiscal year just closed this department has combined its labors in the same parts of the city, and a practical revolution in the sanitary conditions has been made.

The entire Chinese quarter has been covered and owners of property have improved, cleaned and in some instances practically remodeled their premises to conform to the regulations established by your honorable body.

Having finished its labors as far as possible in Chinatown, this Department turned to the Latin quarter, which in its many violations of health laws presented an evil almost as gross as that of Chinatown. Overcrowded, unclean, dilapidated habitations, filthy, antiquated, unsanitary

plumbing and inadequate drainage made the district, in some parts, loathsome and menacing.

A systematic inspection of this unhealthful quarter has been made day after day for over ten months. In the district covered, every house has been visited, and, wherever the condition warranted, improvements or complete changes to conform to the regulations of the Board of Health have been ordered. In many instances owners have delayed or resisted the commands of your honorable body. This has necessitated frequent visits to the unwilling owners, reiterated demands, and, in many instances, arrests and prosecutions to enforce an obedience to the law.

The work of this Department, during the year, in this district alone may be seen from the following:

Powell, on both sides, from Pacific to Filbert.
Stockton, on both sides, from Pacific to Filbert.
Dupont, on both sides, from Pacific to Filbert.
Kearny, on both sides, from Pacific to Filbert.
Montgomery, on both sides, from Pacific to Filbert.
Sansome, on both sides, from Pacific to Union.
Filbert, on both sides, from Powell to Sansome.
Union, on both sides, from Powell to Sansome.
Green, on both sides, from Powell to Battery.
Vallejo, on both sides, from Powell to Battery.
Broadway, on both sides, from Powell to Battery.

In the tenement and lodging house districts, north and south of Market street, much systematic inspection of a similar character, but scattered over a larger area, has also been accomplished. In connection with the results of the investigations of the Plumbing Department in the Chinese and Latin district, I would suggest to your honorable body the necessity of detailing an inspector for constant duty to supervise the improvements in sanitation that have been made. The residents, with very few exceptions, tend to relapse to former conditions if not constantly watched.

The duties devolving upon this Department make it impossible for the time of one inspector to be given exclusively

to such a supervision. This will be seen from the figures of my tabulated report. During the fiscal year, 11,519 inspections have been made by this department. This represents the inspections of new and old buildings, and the investigation of complaints referred to the Department by Health, Cigar, Laundry and Market Inspectors. The inspections involved in special investigations cannot properly be tabulated. In conclusion, I wish to say that in the performance of the duties of this Department I have been ably and faithfully assisted by Assistant Plumbing Inspectors Thomas McGrath, P. J. Ward, W. E. Kelly and Joseph Connolly.

Number of plans submitted (representing 802 houses)	634
Number of inspections on construction	1,093
Number of inspections on completion	702
Number of inspections made on complaints referred by Health Inspectors	3,284
Number of abatements made on complaints referred by Health Inspectors	1,722
Number of inspections made on complaints received by Plumbing Department	829
Number of abatements made on complaints received by Plumbing Department	543
Number of inspections made on alterations by permit	377
Number of inspections made in Chinatown	665
Number of abatements made in Chinatown	208
Number of inspections made in the Latin Quarter	2,178
Number of abatements made in the Latin Quarter	251
Number of first notices sent to owners or agents of property in all parts of City	3,164
Number of last notices sent to owners or agents of property in all parts of City	548
Total number of inspections made	11,519
Total number of feet of castiron sewer pipe	53,613
Total number of feet of ironstone sewer pipe	23,415
Number of traps at curb	709

Respectfully submitted,

JOHN J. SULLIVAN,

Chief Plumbing Inspector.

REPORT OF CHIEF MARKET INSPECTOR.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor of presenting my annual report as Chief Market Inspector of the work accomplished during the fiscal year just ended, and giving a detailed statement of the condemnations made by the Assistant Market Inspectors and myself.

Since my last report the Board has allowed me one extra Inspector, whom I have detailed for duty in Butchertown. As in that locality there are thirteen beef, eight sheep and ten hog slaughterhouses, it is a physical impossibility to thoroughly inspect the carcasses of all animals killed with the very small force of two Inspectors for that particular purpose, for the reason that each carcass should be carefully examined before the intestines are removed, and, as there are on an average of 2,232 head of animals killed daily, you can readily see the need of more Inspectors in the Butchertown district. Furthermore, all animals slaughtered under our supervision should be properly tagged with an official seal of this Department, thereby showing to the public that the animals slaughtered are free from disease.

There are in the neighborhood of some 450 markets and stalls in the city under our jurisdiction, and which are inspected at least twice a month, and, as I have mentioned in my previous reports, all these markets should be made to secure permits from this office the same as are vendors of milk.

In my two previous annual reports I have suggested that all markets be prohibited from exhibiting meats in front of the establishments, as the dust from the streets, impregnated with disease germs and filth, speedily transforms healthy beef into that which is absolutely a menace to health, but I am very sorry to state that no action has been taken in the matter. Therefore, I earnestly hope, in the in-

terest of public health, that this much needed law will be enacted by the proper authorities.

During the year there have been twenty-five arrests, of which twenty-three have been convicted with fines imposed amounting to $275. There was one acquittal on the grounds of the complaint being faulty. I therefore had the defendant re-arrested on a new complaint, but the case was dismissed on the grounds that the defendant had been once in jeopardy. There is one case still pending on which the defendant demands a new trial, the outcome of which I will make known in my next monthly report.

I would respectfully call your attention to the fact that 25 arrests have been made during the past fiscal year as against 12 for the preceding year.

I would also call your attention to the urgent need of an Assistant Attorney for the purpose of prosecuting cases in the Police Court, for the reason that as I am not an attorney, it is impossible for me to prosecute the cases myself. Therefore, in the interest of justice, I would advocate the engaging of an Assistant Attorney for the sole purpose of consulting, drawing up of complaints properly and prosecuting same.

In conclusion, I wish to return thanks for the able assistance rendered me in the carrying out of the orders issued by your honorable body to Deputies River, Jordan, Turner and McEnroe, they having worked on an average of ten (10) hours a day, and having called on them at all hours of the night, they were always ready for the benefit of the public health to cheerfully assist me.

For the convenience of the public and trade in general, I have, as heretofore, appended a complete alphabetical list of all markets in this city and county. I have also prepared for your honorable body a series of maps upon which are placed the location of all markets in this county. Each market has been given an official number to designate it in future inspections.

All of which is respectfully submitted.

BEN. DAVIS,
Chief Market Inspector.

OWNERS AND LOCATIONS OF MARKETS.

Name.	Address.
Alt & Weiss	1226 Pacific street.
Arni, Jno	Ocean View.
Astorg, A	108 Fifth street.
Airey, H. J	2323 Webster street.
Antz, H	15-16 Grand Western Market.
Adams, W	1072 Howard street.
Adler, W	Fulton and Franklin streets.
Armbrust, A. C	1305 Castro street.
Angeles & Young	Eighteenth and Capp streets.
Alfortter, J	Third and Minna streets.
Block, A	1919 Fillmore; 743 McAllister.
Brady A	218 Sixth street.
Beuttler, J	533 Haight street.
Bradbury, T. H	1803 Broderick street.
Blumenthal, H	1014 Hampshire street.
Bush, W. K	Polk and Vallejo streets.
Bohni, F	133 Sixth street.
Brugge, E	Twenty-fourth and Church streets.
Brown, J	Pacific and Hyde streets.
Braid Bros	Twenty-fifth and Mission streets.
Burkard, J. E	412 Third street.
Block, S	Geary and Larkin streets.
Berger & Weiss	1512 Kentucky street.
Bellnomini, D	301 Hayes street.
Blum & Rathjen	1319 Pacific street.
Bunker, R. F. & Son	74 and 75 California Market.
Bacher, Chas. S	1035 Clay street.
Buttenbach, J	498 Fourth street.
Blumenthal, A	1014 Hampshire street.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Baccus, R.	S. W. corner O'Farrell and Mason.
Bender, J.	704 Diamond street.
Boyes, J.	108 Clay street.
Bellezer, F.	1516 Dupont street.
Baltzer, Wm.	427 Hayes street.
Bergk, Anton.	2152 Mission street.
Brogly & Luckman.	Sixteenth and Market streets.
Burkart, Max.	500 Charter Oak avenue.
Bachtold, J.	216 Second street.
Blume Bros.	2873 Sixteenth street.
Buchignani, V.	1818 Market street.
Breese, E. G.	1854 McAllister street.
Band, J.	107 Valencia street.
Consani, A.	111 Sixth street.
Cruza, J. A.	30½ Lafayette street.
Convey, E.	Green and Hyde streets.
Cabossel, J.	2026 Fillmore street.
Cardinali, L.	Kearny and Green streets.
Cassidy, J.	201 Twenty-third street.
Clauss, J.	Grand Western Market.
Cailleand, H.	8 and 19 California Market.
Chiesa, A.	332 Broadway.
Cames, F.	320 Sutter street.
Creyer, Chas.	1718 Howard street.
Crough, J.	108 Sixth street.
Connelly, O.	2720 Twenty-fourth street.
Cereghino, A.	311 Broadway.
Celgler, Samuel.	992 Folsom street.
Coutolenc, August.	816 Jackson street.

OWNERS AND LOCATIONS OF MARKETS— Continued.

Name.	Address.
Costa, G. & Co.	1522 Dupont street.
Carrere, F. B.	32 California Market.
Consani, R.	109 Turk street.
Cazeres, G.	341½ Fifth street.
Cramer, L.	2020 Market street.
Cutler Bros.	1002 Hyde street.
Dieckman, Chas.	San Bruno Road.
Dickson, D. M.	237 Third street.
Downey, J. J.	946 Twentieth street.
Delvechio, A.	328 Broadway.
Decourtieux, A. & Son	529 Merchant.
Devechio, Emil	28 Ninth street.
De Vecchio, F.	439 Hayes street.
Duecker, G. F.	1629 Devisadero street.
Driscoll, J. A.	1206 Valencia street.
Deluca, G.	1338 Dupont street.
Demertini, F.	240 Fourth street.
Duprat, L.	71 California Market.
Dankwerth, G.	Fourth and Perry streets.
Drewes, F.	1706 Church street.
Drewes, H. J.	340 Twenty-fourth street.
Daverkosen, F. E.	2512 Bush street.
Deppe, H.	446 Third street.
Dutchler, Geo.	Eighteenth and Capp streets.
Dierks, A.	315 Turk street.
Darius, H.	Pacific and Powell streets.
Deller, P.	125 Fifth street.
Dryfous, J.	Seventeenth and Douglass streets.
De Clute, Chas.	328 Fifth street.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Dittes, E.	1411½ Octavia street.
Dahl, Henry	1 Point Lobos Road.
Escude, G. L.	Valencia near Sixteenth street.
Eggert, H.	Union and Montgomery streets.
Engel, F.	2707 Howard street.
Engler, B.	227 Fourth street.
Easton, John	1320 Polk street.
Eggers, J. H.	1 and 2 Grand West Market.
Estagaile, L.	3508 Mission street.
Flach, J.	Seventeenth and Dolores streets.
Fischer, F.	2708 Mission street.
Fitschen, A. F.	Railroad ave., South S. F.
Fauser, C.	15 Railroad Avenue, South S. F.
Friese, P.	813 Buchanan street.
Fuchs, N.	Grand Central Market.
Fox, L. F.	428 Seventh street.
Finn & Swanson	1701 Sutter street.
Fabish, E.	3214 Twenty-fourth street.
Fisher Bros.	Turk and Van Ness Avenue.
Fincke & Co.	41 Market street.
Faubell, J.	2438 Sacramento street.
Ficke, C. H.	410 Ninth street.
Gottsche, J.	196 Noe street.
Gisin, C. E.	839 Valencia street.
Giovannetti, C.	244 Fourth street.
Ginini, F.	2149 Market street.
Granuca, J. S.	1300 Stockton street.
Graeber, C. C.	2121 Fillmore street.
Gerner & Hofman	292 Valencia st.; Sutter and Baker.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Ganzberger, H.	Sixteenth and Capp streets.
Goodwin, C.	Union Square Market.
Guehring, J.	344 Twelfth street.
Goldmeyer, I. H.	576 Howard street.
Giovanetti & Co.	1910 Market street.
Glennan, M.	1504 Polk street.
Gaffke, G. A.	132 Hearst Ave., Sunnyside.
Grand, O.	904 and 906 Valencia street.
Giovanetti, A.	2018 Mason street.
Geantit, A.	525 Merchant street.
Gendotti, E.	Hayes and Octavia streets.
Gumm & Jung	1405 Twenty-fourth street.
Hammond & Brod	Spreckels Market.
Hedrich, Louis	2306 Howard street.
Halbretter, A.	Twenty-second and York streets.
Hummel, F.	386 Sixth street.
Hicks, S. P.	2010 Fillmore street.
Higgins, C. H.	6 Mission street.
Hoffman, J.	City Hall Market.
Hoffman & Woenne	707 Market street.
Hancock, T.	326 Devisadero street.
Hertz & Co.	Union Square Market.
Hans, J. R.	76 Clementina street.
Hinz, William	2021 Fillmore street.
Hunteman, D. A.	421 Turk street.
Hartman, J. & Son	519 Gough street.
Hayden, J.	124 Ninth street and 527 Seventh.
Heineman & Stern	916 Larkin street.
Hermann, B.	Bush and Franklin streets.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Hillers, H.	500 Courtland Ave.
Hennig, Gus.	3143 Sixteenth street.
Heinz, Chas.	362 Third street.
Hart, Mark J.	1706 Devisadero street.
Haub, George.	1979 Union street.
Horning, C. F.	514 Valencia street.
Hicks, T. J.	2316 Fillmore street.
Haverty, T. T.	1421 Pt. Lobos Ave.
Heing, J.	1827 Union street.
Ioard, B.	820 Sutter street.
Junker, L.	Buchanan and McAllister streets.
Jago, F. W.	300 Twenty-seventh street.
Junker, Fred.	1005 McAllister street.
Jameson, W. T.	Twenty-third and Chattanooga.
Kupfer, M.	529 Merchant street.
Kratz, William.	2436 Mission street.
Kohn, A.	1639 Ellis street.
Katz & Sons.	California Market.
Kahn, A.	2643 Bryant street.
Kelly, J.	1159 Howard street.
Kahn, L.	Geary and Laguna streets.
Kroeger, H.	928 Illinois street.
Kelly, M. J.	Union Square Market.
Kunnecke & Frische.	Second and Bryant streets.
Kaiser, Benj.	1103 Leavenworth street.
Kelly, M.	513 Grove street.
Knoke & Gander.	3002 Mission street.
Kuntz, P.	Seventeenth, near Church.
Kaupert, Joe.	Twenty-Fourth and Bryant streets.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Katz, J.	843 McAllister street.
Karner, G.	1655 Mission street.
Kelping, C.	Ocean View.
Knight's Labor Market	Twenty-ninth and Mission streets.
Kafka, S.	209 Sixth street.
Kahn, Louis	Mission Road.
Kannigiesser, E.	785 Folsom street.
Laufenberg, C.	1577 Fifteenth street.
Lally, D. J.	206 Eleventh street.
Levy, S.	Mission Road.
Lemaitre, J.	Union Square Market.
Lehman, G.	1423 Devisadero street.
Lyons, W.	2302 Mission street.
Looney, J.	425 Folsom street.
Liebe, E. B.	1779 Mission street.
Laubscher, C.	530 Valencia street.
Levy, H.	529 Clay street.
Larroche, John M.	Sixth ave., bet. L and M.
Lutz, L.	103 Ninth street.
Leonard, J. P.	1048 Valencia street.
Ludwig, Otto	1424 Howard street.
Lenci, O. & Co.	1500 Dupont street.
Laubscher, Fred	1422 Dupont street.
Lamanet & Pedelie	1286 Stockton street.
Lichtig, Joe	931 Folsom street.
McGlone, J.	Second and Brannan streets.
Muller & Koenig	15 and 16 California Market.
McMenomy, J. H.	California Market.
Muller, L.	Scott and Oak streets.
Mulvill & Co.	Sixteenth and Valencia.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Michiletti, P.	512 Davis street.
Meyers, J.	46 Washington Market.
McEvoy, J.	331 Tenth street.
Martens, F.	1903 Geary street.
Merrill, F.	Twenty-fourth and Harrison sts.
Meyn, H.	1550 Folsom street.
Muller, C.	Washington and Polk.
Marquard & Bro.	Corner Waller and Stanyan.
Miquen, A.	1421 Powell street.
Meyers & Ackman	16 Sacramento street.
Mayer, M.	243 Fifth street.
Marin County Market	Grove and Laguna streets.
McDermott, M.	Leavenworth and Broadway streets
Mohr, D.	1133 McAllister street.
Mohr, L.	2201 Mason street.
Medus, R.	146 Second street.
Miller, Chas.	1806 Howard street.
Munich Market	Fillmore, near Geary.
Mahlstedt, F.	322 Folsom street.
Morgenstern, A. W.	546 Third street.
May, F.	123 Seventh; Powell and Clay.
Merkelbach, W.	12 San Francisco Market.
McKeon, Thos.	1145 Folsom street.
Marxen, J.	2501 Folsom street.
Meyer, F.	1903 Mission street.
McDonald, W.	2929 California street.
McGowen, T. J.	531 Geary street.
Miller, Thos.	801 Union street.
Molinari & Bro., P. G.	433 Broadway.

OWNERS AND LOCATIONS OF MARKETS— Continued.

Name.	Address.
McGuire, John	Lyon and Grove streets.
Meyers, W. A.	1401 Folsom street.
Nelson, James	339 Fourth street.
Neugebauer, A.	125 Sixth street.
Nolthemius, J.	1703 Stockton street.
Nowlan, J.	497 Haight street.
Nutting & Co.	1 and 2 California Market.
Newman, A.	1079 Market street.
Newroth, Louis	231 Fourth street.
Noonan, W. J.	Thirtieth and Guerrero streets.
Nebron, N.	1044 Howard street.
Netting & Walsh	1601 Lyon street.
Nusbaumer, A.	503 Jones street.
Ohlmutz, J.	New Montgomery and Green sts.
Oswald, Henry	1030 Pacific street.
Oswald, J.	127 Second street.
O'Brien, J.	22 Twenty-fourth street.
Ochs, H.	Sutter and Devisadero streets.
O'Connor, J.	121 Ninth street.
Ossoske, M.	903 Folsom street.
Oswald, C. E.	1308 Pacific street.
Powers, J. D.	Turk and Pierce streets.
Pisani, J.	923 Larkin street.
Pfaendler, A. & Co.	162 Ninth street.
Paul, Wm.	Greenwich ave. and Fillmore st.
Pardi, A.	871 Mission; 23d-Valencia.
Piperling, J.	Union and Hyde streets.
Pfaeffie, E. G.	1803 Haight street.
Rossi, G. & Son.	515 Broadway street.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Rosenbaum, H. A.	Union Square Market.
Rovegno, G.	1306 Dupont street.
Rath, F. J.	613 Post street.
Reigelhuth Co.	432 Third street.
Runde, F.	2160 Mission street.
Rick, C. H.	513 Bryant street.
Roberts & Tuft	50 Steuart street.
Rossow, Chas.	253 Third street.
Roberts, W. F.	2817 California street.
Ryan, J. J.	Fifteenth st., near R. R. ave.
Romaini, C.	1515 Dupont street.
Rasmusson Bros.	1320 Rhode Island street.
Rosenthal, H.	2856 Mission street.
Rieper, Jacob	Twenty-eighth and Guerrero.
Rosenberg, A.	2321½ Bryant street.
Romani, V.	Union and Dupont streets.
Smith, J.	Larkin and O'Farrell streets.
Stelling, H. & Bro.	2766 Mission street.
Stone, Leon & Co.	236 Sixth street.
Smith, W. E.	605 Montgomery Ave.
Stolz, H. F.	510 Castro.
Schneider, L.	2004 Polk street.
Simi & Co.	729 Montgomery Avenue.
Shenson, A.	957 Folsom street.
Strehle, C.	103 New Montgomery street.
Schweitzer, J. & Co.	519 Clay street.
Schenkel, P.	623 Baker street.
Smiddy, E.	Bryant and Gilbert streets.
Strahle, P.	Twenty-eighth and Church streets.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Seibel, P.	59 and 60 Washington Market.
Scully & Drury	352 McAllister street.
Samuels, W. A	110 Seventh street. (Jonas Market.)
Smith, C. L	2316 Fillmore. (Fox Hall Market.)
Smith, H. & Sons	San Rafael.
Shaughnessy, W. O	1135 Folsom street.
Strahn, Thos. A	Napa and Missouri streets.
Strouse, Mark	1045, 1146 Market street.
Schlett, E	26 Seventh street.
Staiger, J. J	East and Merchant streets.
Sorenson, S. M	1020 Scott street.
Stolz, P. J	Howard st., bet. 11th and 12th.
Schuck, E	310 Folsom street.
Stolz, Aug	4127 Eighteenth street.
Solomon, S	Grand Central Market.
Stutz & Co	52 Washington Market.
Strahle, R	Twenty-sixth and Sanchez streets.
Sans & Co	Union Square Market.
Schmidt, Henry	Fillmore and Pixley streets.
Schrader, J	2913 Geary street.
Strauss, M	2676 Twenty-first street.
Schuldt, Wm	1638 Eddy street.
Schwarz, A	Sacramento and Walnut streets.
Schmidt, H. F. N. & Co	1008 Valencia street.
Shrader Bros	1342-44 Market street.
Simi, A	Jackson, bet. Davis and Front.
Steinbring, A	Sixteenth and Market streets.
Schrieber, H	Eighteenth and Hartford streets.
Steinfels, Chas	Bush and Laguna streets.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Stamm & Raab	1320 Dupont street.
Shelley, H. G	Fell and Devisadero streets.
Schnetzler, L	19 Sixth street.
Seyner, Jos	953 Howard street.
Silverberg, A	1300 Devisadero street.
Tautphaus, P	California and Polk streets.
Thompson, H. A	18 Market street.
Tassi, G	Fifth and Clementina streets.
Tassi & Co	1413 Stockton street.
Turner, G. E. & Co	Ellis and Webster streets.
Uri & Co	530 Clay street.
Voecke, C	486 Eighth street.
Vincent, J	1023 Guerrero street.
Voll, H	124 Third street.
Vogel, H	Mission road and Silver avenue.
Vergna & Cariani	517 Broadway.
Vath, C. J	214 Ninth street.
Winters, F. C	Sixteenth street.
Wannemacher, R	108 Fourth street.
Wagner, A. P	627 Bush street.
Wagner, G	536 Clay street.
Wolf, W	511 Pacific street.
Waterbury, C	135 Gough street.
Weigner, G	1905 Point Lobos avenue.
Winter & Steinhauser	822 Jessie street.
Werner, Louis	810 Bryant street.
Winter & Felsing	39 Main street.
Wilfert Bros	1398 Market street.
Watkins, W	2316 Fillmore street.

OWNERS AND LOCATIONS OF MARKETS—Continued.

Name.	Address.
Werner, Wm.	46 Thirteenth street.
Welby, J.	703 Brannan street.
White Star Market	2596 Folsom; Twentieth-Shotwell.
Witzman, N. F.	341 and 343 Hayes street.
Warren, S. B.	Washington and Fillmore streets.
Wachter, Chas.	437 Third street.
Werner	3025 Sacramento street.
Weddemeyer, J. H.	413 Hayes street.
Weishimer, Chas.	1023 Guerrero street.
Wykes, W. T. & Co.	530 Hayes street.
Wissel, August	Solano and Kentucky streets.
Walters & Hansen	100 Twenty-first street.
Weller, L. B.	1607 Polk street.
Warren, W.	308 Fifth Avenue, Richmond.
Witzeman, N. F.	Grove and Laguna streets.
Zecker, F.	1821 Powell street.

CHINESE MARKETS.

10½ and 30 Washington Alley; 714, 715½, 726, 837, 925, 1009, 1031 Dupont Street; 746 and 826 Washington Street; 2 Waverly Place; 741 Sacramento Street.

SEIZURES BY MARKET INSPECTORS FOR FISCAL YEAR, 1897-98.

Seizures.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Cattle	201	51	32	12	10½	17½	7	6	13	14	3	15	29
Sheep	29	.....	.....	12	.....	2	2	1	.....	.....	11	.....	1
Beef, pounds	11,455	.....	1,030	1,030	1,245	310	.....	2,515	350	1,875	600	.....	2,600
Calves	457	14	27	65	76	23	28	84	35	28	61	4	12
Hogs	370	27	39	40	25	23	32	18	32	37	32	32	43
Veal, pounds	462	.....	.....	462	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chickens, cases	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chickens	5,517	9	291	132	615	539	1,114	788	491	513	393	190	298
Turkeys, cases	8	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....
Rabbits	1,762	50	.....	307	114	131	.....	85	315	347	393	.....	20
Ducks	261	.....	.....	.....	261	.....	.....	.....	.....	.....	.....	.....	.....
Geese	294	.....	.....	.....	91	.....	.....	.....	.....	129	74	...	.....
Fish, pounds	48,944	6,199	11,130	4,520	4,455	4,590	3,470	2,700	2,780	2,250	2,700	2,250	1,900
Fish, cases	286	.....	.....	.....	.....	86	128	....	.....	.....	.....	3	69
Fruit, sacks	7½	7½	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	.....
Fruit, boxes	481½	62½	.....	46	.....	28	100	.....	59	17	.....	28	149

SEIZURES BY MARKET INSPECTORS—Continued.

MONTHS.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Canned goods, cases	234	44	190										
Canned goods, cans	1,930	1,645				285							
Deer	1	1											
Canteloupes	2,690		1,690	1,000									
Hams, pounds	96		96										
Quail	233				233								
Eggs, dozen	150						150						
Onions, sacks	119						44		75				
Nuts	*						*						
Horseflesh, pounds	200							200					
Oysters, buckets	7							5			2		
Total inspections of markets	9,541	734	833	992	819	792	851	722	729	733	671	843	822
Number of arrests	25		2	11			1	2		2			7
Number of convictions	23		2	11			1	1		2			6
Number of acquittals	1							1					
Number of cases still pending	1												1
Fines imposed	$275 00		$30 00	$90 00			$40 00	$10 00		$50 00			$55 00

*1 wagon-load.

REPORT OF VETERINARY SURGEON.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

I have the honor to submit the following report of work performed by the Veterinary Department during the year commencing July 1st, 1897, and ending June 30th, 1898.

Considering the work which has been done in the use of tuberculin for the diagnosis of tuberculosis in dairy cows, the most important work done by this department, I have commenced my report giving a tabulated record of the temperatures taken while the tuberculin testing was in progress; also, a record of the most important pathological changes due to tuberculosis on post mortem examination.

It is needless for me to comment on the importance of a thorough inspection of dairy cattle and the adoption of every available agent which will assist in such inspection, therefore the efficiency of tuberculin in the discovery of tuberculosis in cattle strongly urges its use in all dairy inspections.

Owing to a lack of State legislation in the matter of the use of tuberculin as an agent, and a sincere desire on the part of your honorable board not to inflict an unnecessary hardship upon any one group of cattle owners, we have been unable to prosecute the work of dairy inspection with the vigor necessary; but it is to be hoped that at some future time a legislative measure may be passed which will enable the universal use of tuberculin in dairy inspection, as it is only by its aid we can ever hope to make any appreciable diminution of this dread disease throughout our dairy herds.

However, the work that has been done with tuberculin

has made evident changes in regard to raising the standard of the dairy stock in this county, and the fear and expectancy that at any time such regulations may be enforced which will compel them to submit their stock to an inspection, using the tuberculin test, has made the dairyman extremely discreet as to what kind of stock he purchases for his dairy.

Even the improvement effected in the cleanliness of the dairy premises and equipment is such that may justly meet the endorsement of the public and the approval of your honorable board.

Yours very respectfully,

I. W. O'ROURKE,

Veterinary Surgeon.

NUMBER OF DAIRIES INSPECTED AND CONDEMNED, COWS AND HORSES INSPECTED AND CONDEMNED, ETC.

MONTHS.	Dairies Inspected	Dairies Condemned	Cows Inspected	Cows Condemned	Cows Quarantined	Visits to Ferry Receiving Hospital	Visits to Park Receiving Hospital	Visits to City and County Hospital	Visits to Almshouse	Horses Treated for Department	Horses Inspected for Glanders	Horses Condemned for Glanders	Autopsies
1897—July	4	....	359	63	63	10	....	10	2	5	....	....	63
August	3	....	213	49	49	8	....	6	2	6	....	...	49
September	4	....	268	....	...	8	8	4	2	2	....	....	....
October	2	....	82	14	14	8	8	2	3	2	....	....	14
November	10	....	936	7	7	8	8	5	2	1	....	....	7
December	14	....	720	....	....	8	8	4	2	1	....	..	....
1898—January	21	....	1,318	....	...	8	8	1	2	1	....	....	....
February	....	....	....	....	....	11	8	3	2	1	....	....	....
March	197	23	4,987	7	7	8	8	2	2	1	...	...	2
April	141	11	5,193	4	4	8	8	2	1	2	6	2	2
May	124	1	6,027	1	1	8	8	4	2	5	2	....	1
June	229	1	12,041	12	12	12	8	4	2	8	2	....	....
Totals	749	36	30,144	157	157	105	80	47	24	35	10	2	138

NEW YORK DAIRY—GEORGE SMART.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	Breed	Age—Years	Weight	Amount Injected	Date and Time of Injection	Date: July 10, 1897. Temperatures before injection. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 11, 1897. Temperatures after injection. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	3	1100	2 cubic centimeters.	July 11th, 12:30 A. M.	102.4	101.8	101.8	102	101.2	101.4	101.4	101.2	102	102.2
2	Mixed	10	1000			101.2	101.8	101.4	102	101.4	101.6	101.8	101	101.6	101.8
3	Mixed	6	1050			101.6	101 2	101.6	102	101.2	101.4	102.8	101.8	102.2	102.2
4	Mixed	12	1000			102.2	101	101	101.8	103	104	105.4	105.8	106	104.6
5	Mixed	8	1100			101.4	101.2	101.4	101.8	101	101.8	101.8	102	102	102
6	Mixed	8	900			102.4	102	102.6	102.8	101	101.8	101.6	101.4	101.8	101.4
7	Mixed	7	950			101.6	101.4	101.6	102.2	101	101	102	102	102.8	102.8
8	Mixed	7	1000			101.4	101.2	102.2	101.6	101.2	101.2	101.4	101.6	101.4	101.4
9	Mixed	9	1150			101	101.4	101.4	102	100.4	101	102	101.8	102.8	101.8
10	Mixed	4	1000			100.8	101	101.2	102	101.2	101	101	101.6	102.6	103.2
11	Mixed	7	1150			101.2	101	101.4	101.8	102.2	102.6	103	103.2	103.4	102
12	Mixed	6	1050			101	101.2	101.6	101.8	101	102	102	101.6	101.8	101.8
13	Mixed	10	1100			102.8	101.6	101.8	102.4	103	105.2	105.8	106.2	106.6	106
14	Mixed	4	1200			101.4	101.4	101	102	105	106	105.4	105.6	105.2	104.4
15	Mixed	9	1050			101	101.4	101	101.2	101.8	101.4	101.4	101	101.4	101.2
16	Mixed	5	1100			101.4	101.2	101.4	102.2	101	102.4	101.4	103.6	103.2	103
17	Mixed	4	1000			101.4	101	101.2	102	101.2	101.4	102.8	102	101.6	101
18	Mixed	5	1200			101.2	101.8	101	102.2	101.4	101 4	102.2	103.6	103.2	102.8
19	Mixed	6	1150			101	101	101.6	101.4	102.6	103	102.4	102	101.2	101.4
20	Mixed	4	1050			101.4	101.6	101.6	103.2	101.2	101.2	106.2	101.6	101.4	101.6
21	Mixed	7	1100			101.4	102	101.6	101.4	101.4	101	101.4	103.2	103.2	103
22	Mixed	8	1000			101.8	101.4	101.4	102	101.2	101.4	101.6	103.2	103.2	102.8
23	Mixed	8	1050			101.6	101	101	102.2	101.4	101.6	101.8	101.6	101.2	101.2
24	Mixed	9	1100			102.2	101.8	101.4	102	101.6	101	101.2	101.2	101.4	101.8
25	Mixed	9	1050			101.4	101.2	101	101.8	101.2	101	101.2	101.2	101.4	101.6

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 10, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n...	6 p.m.	12 m...	Date: July 11, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n...	2 p.m.	4 p.m.	6 p.m.
26	Mixed.....	6	1150	2 cubic centimeters.	July 11th, 12:30 A. M.	101.4	101.4	101	102.2	101.4	101.6	101.6	101.6	101.2	101.8
27	Mixed.....	7	1050			101.2	100.6	101	101.4	101.2	101	101.4	101.6	101.4	101.2
28	Mixed.....	6	1100			101.8	101.8	101.2	101.4	101.4	101	101.8	101.8	101.6	101.4
29	Mixed.....	6	1050			101	101	101.4	102	101.6	101.6	101.2	101.4	101.6	101.8
30	Mixed.....	10	1100			101.8	101.2	101.2	101.6	103.6	105.6	106.4	106.4	105.6	103.2
31	Mixed.....	7	1000			102.4	101.4	101.6	101.8	103.2	104.2	105	106	105.8	104
32	Mixed.....	7	1000			102.6	102	101.8	101.8	101.2	101	101.4	102.4	102.8	102.6
33	Mixed.....	6	1050			102.2	101.2	101.2	101.8	101.2	101.4	102.6	103.4	103.2	103.8
34	Mixed.....	10	1000			102.4	101.6	101.6	101.6	101.6	101.6	101.8	101.4	101.6	102.2
35	Mixed.....	7	1050			101.8	101.8	101.8	101.6	103.2	101.6	101	103	103	103
36	Mixed.....	6	1000			101.4	101.2	101.2	101.4	101.6	101.8	103.4	103.8	103.4	103.4
37	Mixed.....	6	1050			101.4	101.2	101.2	101.6	101.2	102	101.6	101.6	101.2	101
38	Mixed.....	8	1100			102.4	101.2	101	101.4	101.8	101.6	102	103.4	103.4	103.2
39	Mixed.....	9	1150			102.2	102.6	102.2	102.2	102	102.2	102	101.8	101.8	101.6
40	Mixed.....	11	1150			101.4	101.8	101	101.8	101.2	101.6	101	103.8	103	103
41	Mixed.....	9	1050			101.8	101.6	101.4	101.4	102	102.8	103.4	104.8	103	103
42	Mixed.....	8	1050			101.4	101.2	101.2	101.6	102.8	103	101.8	103	103	103.2
43	Mixed.....	9	1100			101.6	101.8	102	102.2	102	101.8	103.6	103.2	103.2	103
44	Mixed.....	6	1050			102.4	101.2	101.2	101.6	101.6	102.2	102	103.2	103.8	103
45	Mixed.....	9	1100			101.6	101.2	101.2	101.2	102.2	103.4	104.6	105.2	105.8	106.2
46	Mixed.....	5	1050			102.4	101	101	101.2	101	102.6	103.6	103.8	103.2	103
47	Mixed.....	7	1100			101.6	101.4	101.4	101.4	102.6	103.8	104.6	103	103.2	103
48	Mixed.....	12	1100			102	102	101.4	101	101.6	102.2	104.2	104	103.2	103
49	Mixed.....	7	1000			102.2	101	101.2	101.2	101	101.2	101	100.6	101.2	102
50	Mixed.....	8	1100			101.8	101	101.8	101.4	101	101.4	101.2	101.6	101.8	101.4

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Dates: July 10, 1897. July 12, 1897. TEMPERATURES BEFORE INJECTION.				Dates: July 11, 1897. July 13, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
51	Mixed	9	1100	2 cubic centimeters.	July 11th 12:30 A. M. July 13th, 12:30 A. M.	101.2	101.8	101	101.4	103.8	104.8	106.4	106	105.6	105.4
52	Mixed	5	1050			101.8	101.8	101.8	101	103	105	105.8	106	105.6	105.4
53	Mixed	8	1050			101.4	101.2	101.4	101.6	102.8	102.2	103	103.2	103	102.8
54	Mixed	6	1050			101	101.2	101	101.4	101.4	101.8	103	102.8	102	102.8
55	Mixed	12	1150			101.2	101.2	101.2	101.6	102.4	102.6	103.4	103	103	102.2
56	Mixed	4	900			101.6	101.6	101.6	101.8	101.6	101.6	101 6	101.2	101.2	102 2
57	Mixed	7	1050			101.4	101.4	101.2	101.4	103.4	104.4	106.2	106.4	106.2	106.2
58	Mixed	6	1000			102.6	102.4	102.6	102	102	102.4	101.8	102.8	102.8	102.2
59	Mixed	7	950			101 2	101	101.4	101.2	101	101.8	102.4	103	103	103
60	Mixed	7	1100			101.4	101	101.8	101.8	101	103	103.4	103.8	103	102.8
61	Mixed	9	1100			102	101.6	101.6	101.6	103.2	102.4	103	102.6	102.4	103.2
62	Mixed	8	1100			101.4	101.6	101.6	101.8	101.2	101.4	103	102.2	101.6	102
63	Mixed	9	1050			101	101.2	102	101.8	101.6	101.2	103	103.8	103.2	103.2
64	Mixed	10	1100			102	101.6	102.2	102	102 4	103.2	105.2	106.4	106.2	105
65	Mixed	5	1100			101.8	101.8	101.8	101.8	101.6	101.4	102	103.6	103	103.2
66	Mixed	6	1050			101.6	101.2	101.8	101.6	102	102.2	103.6	103.2	103	102.8
67	Mixed	4	950			101.4	101.2	101 8	101.4	101.2	102.2	103.6	105.4	106	105
68	Mixed	10	1100			101.4	101.2	101.4	101.4	102	101.2	102.6	103	103.2	103
69	Mixed	3	900			102.2	102.6	101.6	102	103.2	101.6	103.8	103.2	103 4	103
70	Mixed	4	1000			101	101.8	103	102.2	101.6	101.8	103	102.8	102.8	102.6
71	Mixed	10	1150			102	101.6	100.6	101.4	101.2	101.4	101.6	101.6	101.4	101.2
72	Mixed	7	1050			101.4	101.2	102	101.8	102	103.6	105.8	106.2	106.8	103.8
73	Mixed	12	1150			102	102	101.8	101.8	101.8	102	102	101.8	101.6	101.8
74	Mixed	16	1000			101 2	101.2	101.6	102.2	101.2	101.8	101.6	101.8	101.6	101.6
75	Mixed	7	1100			101.6	101.2	101.8	101.2	101.2	101.2	102	101.2	101 4	101.8

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 12, 1397. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n..	6 p.m.	12 m..	Date: July 13, 1897. TEMPERATURE AFTER INJECTIONS. 8 a.m.	10 a.m.	12 n..	2 p.m.	4 p.m.	6 p.m.
76	Mixed.....	8	1150	2 cubic centimeters.	July 13th, 12:30 A. M.	101.2	101	102	101.6	101.4	101.6	101.4	101.4	101.4	101.2
77	Mixed.....	7	1050			101.4	101.4	101.4	101.4	101.4	101.8	101.6	103	103.2	103
78	Mixed.....	8	1150			102.2	101.4	101.4	101.6	101.2	101.8	102.2	103.4	103.4	103
79	Mixed.....	9	1050			101.2	101.2	101.2	101.2	101	101.8	103.4	103.2	103.4	103.4
80	Mixed.....	8	1100			101	100.8	101.4	101.4	101.2	101.8	102.4	101.2	101.2	101.2
81	Mixed.....	7	1000			101.2	101	101.6	101.2	105.4	106.8	107.6	106.4	106.8	106.6
82	Mixed.....	7	1150			100.8	100.8	101.8	101	101	101.2	101.2	101	100.8	101.6
83	Mixed.....	8	1150			101.4	101.4	101.6	101.6	101.8	102	103.8	103.2	103.2	102
84	Mixed.....	9	1150			101	101	101.4	101.4	101.4	102	102.2	101.8	101.8	101.8
85	Mixed.....	5	1000			101.2	101.2	101.8	102	102	102.2	102	101.8	101.8	102
86	Mixed.....	10	1150			101.6	101.6	102.2	101.8	104.6	106	106	106	105	105
87	Mixed.....	9	1050			101.4	101.2	101.6	102.6	103	101.6	101	101	101.8	101.4
88	Mixed.....	9	1050			102.6	102.6	102.6	101.6	102.4	102.4	103.2	103.2	103.2	101.4
89	Mixed.....	8	1050			101.2	101.4	101.8	101.8	101.2	101.6	101.8	101.8	101.8	101.6
90	Mixed.....	6	1000			101.4	101.2	101.6	101.4	101.2	102	101.6	101.4	101.8	101.6
91	Mixed.....	2	700			102.2	101.4	102.4	102.6	103.2	104	105.2	106	105.8	105.8
92	Mixed.....	6	1000			101.2	101	101.4	101.4	102.2	103.4	103	103	102.2	102.2
93	Mixed.....	2	750			101.4	101.2	101.8	101.6	101.6	103.2	103.8	103.6	102.4	102.2
94	Mixed.....	7	1050			101.6	101.2	101.6	101.8	101.8	103.4	104	103	102.2	101.8
95	Mixed.....	12	1150			101.4	101.6	101.6	101.4	102.2	101.2	101.8	101.8	101.8	101.8
96	Mixed.....	10	1050			101.6	101.4	101.6	101.8	101	101.6	101.4	101.2	101.2	101.4
97	Mixed.....	3	950			101.4	101.4	101.2	101.6	101.8	102.4	103.2	103.2	103	103
98	Mixed.....	7	1050			101.8	101.2	101.8	101.2	103.6	104.6	105	105.4	105.8	105
99	Mixed.....	3	850			101.8	101	101.4	101.8	102.2	102.2	102.2	103	102.6	102
100	Mixed.....	7	900			101.4	101.4	101.8	101.6	102	102.2	103	103.2	103	102.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection	Date: July 12, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 13, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
101	Mixed	8	1050	2 cubic centimeters.	July 13th, 12:30 A. M.	101.4	101.6	101.8	101.4	103	103.4	104.6	106	105.8	105.2
102	Mixed	9	1100			101.2	101.2	101.2	101.4	102.6	102.4	103	103	102.6	102
103	Mixed	7	1050			101.2	101.8	101.6	102	102	101.2	101.4	102.2	102	101.6
104	Mixed	5	850			103	101.8	102	102.4	104	103.4	105	105.2	105.4	105.4
105	Mixed	5	900			101.8	102	102	102	103.2	103.4	103.2	103	102.4	102
106	Mixed	5	1000			101.6	102.2	102	101	102.2	102.6	103.6	103.2	102.8	102.8
107	Mixed	3	850			101.4	101.4	101.4	101.6	101.8	102.4	103.2	103.2	102.2	101.8
108	Mixed	7	1100			101.4	102	102	102	103.2	103.8	102.4	102.2	102	101.4
109	Mixed	8	1050			101.4	101.4	101.2	101	100.8	101	103.6	103	101.8	101.8
110	Mixed	5	900			101	101.2	101.2	101.8	101.4	101.6	103.8	103	102.2	102
111	Mixed	6	800			101.4	101.8	101.4	101.8	101.6	103.4	101.8	101.8	101.8	101.6
112	Mixed	9	1150			101	101.8	101.2	101.6	101.2	101	103	101.8	101.6	101.6
113	Mixed	3	750			101.4	101.4	101.4	101.8	102.4	103.2	103	103	102.8	102.4
114	Mixed	6	1100			101.4	102	101.6	102.4	102.4	103.6	102.2	101.4	101.4	101.4
115	Mixed	7	1050			101.4	101.8	102.2	102.2	101.2	101.2	101.2	101.4	101.4	101.6
116	Mixed	6	1000			101.2	102	101.6	101.6	102.2	103.6	103	102.8	102.6	102
117	Mixed	7	1100			101.4	101.2	101.4	101.6	102	101.2	101.2	101.4	101.4	101.2
118	Mixed	12	1150			101.4	102.2	101.2	101.8	102	103	103.2	104.2	105	106.6
119	Mixed	7	1000			101	101.2	101.4	101.2	101.4	101.8	101.2	101.4	101.4	101.4
120	Mixed	10	1150			101.2	101.4	102	102	101.4	101	101	101.6	101.6	101.4
121	Mixed	3	800			101.2	101	101.8	102	101.4	101.4	101	101	100.8	101.4
122	Mixed	7	1050			101	102.8	102.8	102	101.8	103.4	103.2	103.8	101.2	101.8
123	Mixed	5	950			101.8	101.4	101.6	101.2	101	101.4	100.8	101.4	101.4	101.4
124	Mixed	7	1000			101.2	101.2	101.8	101.2	101	101.4	101	101	101.8	101.2
125	Mixed	9	1100			101.6	101.6	101.6	101.4	101.6	101.6	101.4	101.2	101.4	101.8

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 12, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 13, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m	4 p.m.	6 p.m.
126	Mixed.....	10	1100	2 cubic centimeters.	July 13th, 12:30 A. M.	101.2	101	102.2	101	101.4	102.8	103.2	105	105.8	106.2
127	Mixed.....	7	1050			101.2	101	101.6	100.8	101.2	102.4	102.8	103	102.6	102
128	Mixed.....	10	1150			101.8	101.6	101.2	101.4	101.4	101.2	102	103.4	102.2	101.8
129	Mixed.....	4	900			101.4	101.2	101.2	101.2	101.6	101.8	101.2	101.6	101.8	101.4
130	Mixed.....	5	1000			100.8	101.2	102.6	102	101	101.2	101.8	101.4	101	101.6
131	Mixed.....	6	1000			101.8	102.2	101.6	101.6	101.4	101.4	103	101.8	101.4	101.4
132	Mixed.....	3	800			101.4	101.2	102.2	101.4	102.4	101.6	101.2	102	102.2	101.8
133	Mixed.....	7	1000			101.6	101.2	102.6	101.4	101	101.2	101.2	101	101	101.2
134	Mixed.....	7	1000			101.4	101	101.8	101.6	101.6	101.4	101	100.8	101.2	101.2
135	Mixed.....	7	1050			101.4	101	101.8	1.1.4	101.8	102.8	102.8	102.4	102	102
136	Mixed.....	7	1000			101.8	101.2	101.6	101.8	102.4	102.8	102.8	102.6	102.6	102.2
137	Mixed.....	7	1000			102	101.8	102	101.8	101.6	101.8	101.6	101.2	101.8	101.8

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal.	RETRO-PHARYNGEAL GLANDS.	MESENTERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITONEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIASTINAL GLANDS.	UDDER.	PLEURA.	LOCAL CONGESTION.
4	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Slight swelling.
13	Tubercular.		Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
14			Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
30	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
31								Tubercular.		Tubercular.	Slight swelling.
45	Tubercular.	Tubercular.	Tubercular	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	
51		Tubercular.			Tubercular.	Tubercular.		Tubercular.		Tubercular.	Diffuse swelling.
52			Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
57								Tubercular.			Slight swelling.
64						Tubercular.	Tubercular.	Tubercular.			Slight swelling.
67	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Slight swelling.
72	Tubercular.		Tubercular	Tubercular	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
81		Tubercular.			Tubercular.	Tubercular.	Tubercular.	Tubercular.			Slight swelling.
86						Tubercular.		Tubercular.			
91			Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
98						Tubercular.		Tubercular.			Slight swelling.
101	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	Slight swelling.
104						Tubercular.		Tubercular.			Slight swelling.
118			Tubercular			Tubercular.		Tubercular.			Slight swelling.
126								Tubercular.			Slight swelling.

EUREKA DAIRY—FURRER BROS.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: July 16, 1897. TEMPERATURES BEFORE INJECTION.				Date: July 17, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	6	1000	2 cubic centimeters.	July 17th, 12:30 A. M.	101.6	101.4	101.4	101.6	101.2	101.6	101.4	101.6	101.8	101.6
2	Mixed	7	1150			101.2	101.4	101.2	101.4	101.4	101.4	101.2	101.4	101.6	101.8
3	Mixed	12	1200			102	101.4	101.2	101.4	101.2	101.6	101.4	101.6	101.4	101.6
4	Mixed	6	1000			102	101.6	101.6	101.6	103.8	104.2	104.8	105.6	106.6	106
5	Mixed	9	1150			101.6	101.6	101.8	101.6	101.4	101.6	101.6	101.8	101.6	101.6
6	Mixed	7	1100			102	102	101.8	101.8	102	102.2	102	102	102.4	101.8
7	Mixed	7	1100			101.8	101.4	101.2	101.4	101.6	102	102	102	102	102
8	Mixed	9	1100			102.4	102	102	102	103	104.6	105.4	107	107	106.2
9	Mixed	7	1050			101.2	101.4	101.4	101.4	101.6	101.6	101.4	101.6	101.6	101.6
10	Mixed	9	1050			101.6	101.4	101.4	101.6	101.4	101.6	101.6	101.8	101.6	101.8
11	Mixed	10	1100			102.4	101.6	101.4	101.6	102	102.4	102.2	102.4	102.2	102
12	Mixed	5	1000			101.4	102.4	102	101.8	102	102.2	102.4	102.6	102.6	102.4
13	Mixed	10	900			102	102	102	102	102	102	102.6	102	102	102
14	Mixed	7	1050			101.8	102	101.8	101.8	101.6	101.6	101.4	101.6	101.8	101.6
15	Mixed	10	1100			102.4	102.2	101.8	101.8	105	106 4	107.4	107.2	107	106.4
16	Mixed	6	1050			102	102	102	102	102	102	102.2	102	102.6	102
17	Mixed	7	1100			102	102	101.8	101.8	102	102.2	102	101.8	101.8	101.6
18	Mixed	7	1100			103.2	102	101.8	101.6	101.8	102	102	102	101.8	101.8
19	Mixed	6	1050			102.2	102	101.6	101.6	101.6	101.6	101.6	101.8	101.6	101.6
20	Mixed	7	1000			102.4	102.2	102	102	102.4	103.6	104.6	105.4	106.2	106
21	Mixed	12	1100			102.2	102.2	101.8	101.6	101.8	101.8	101.8	101.6	101.8	101.6
22	Mixed	7	1150			100.6	101	101.2	101.2	101.6	101.4	101.6	101.8	101.6	101.6
23	Mixed	7	1000			101.6	101.8	101.8	101.8	101.8	101.6	101.4	101.8	101.6	101.6
24	Mixed	8	1100			101.2	101.6	101.4	101.2	101.6	101.6	101.6	101.6	101.8	101.8
25	Mixed	9	1150			102.2	102	102	101.8	101.8	101.8	101.6	101.6	101.6	101.4

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: July 16, 1897.				Date: July 17, 1897.					
						TEMPERATURES BEFORE INJECTION.				TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed	7	1100	2 cubic centimeters.	July 17th, 12:30 A. M.	101.6	101.4	101.2	101.2	103.2	104.6	106	106.8	106.6	106
27	Mixed	8	1050			102.2	102	102	101.8	101.8	101.6	101.6	101.4	101.6	101.2
28	Mixed	6	1100			101.6	101.6	101.6	101.4	101.6	101.6	101.8	101.6	101.4	101.2
29	Mixed	9	1150			101.2	101.2	101	101.2	101.4	101.2	101.4	101.6	101.8	101.6
30	Mixed	9	1100			101.6	101.8	101.6	101.4	101.4	101.2	101.6	101.4	101.6	101.6
31	Mixed	9	1100			101.2	101.4	101.2	101.2	101.8	101.6	101.4	101.6	101.6	101.6
32	Mixed	6	1050			101.6	101.4	101.6	101.4	101	101.4	101.2	101.6	101.8	101.6
33	Mixed	7	1100			101	101.2	101.4	101.2	101	101.6	101.6	101.8	101.8	101.8
34	Mixed	7	1050			101	101.2	101.2	101.4	101.2	101.8	101.8	101.6	101.6	101.4
35	Mixed	9	1100			101.6	101.4	101.4	101.6	101.6	101.4	101.6	101.8	101.6	101.4
36	Mixed	6	1000			101.2	101.2	101.4	101.6	103.2	104.6	105.6	106	107	106.4
37	Mixed	9	1050			101.4	101.2	101.6	101.4	101.8	101.6	101.8	102	102	101.8
38	Mixed	7	1050			101.4	101.4	101.4	101.4	101.6	101.4	101.6	101.8	101.8	101.6
39	Mixed	7	1100			101.2	101.2	101.2	101.2	101.4	101.6	101.6	101.6	101.6	101.6
40	Mixed	9	1100			101	101.2	101.2	101.2	105.2	106.6	107.2	107	107	106.4
41	Mixed	7	1050			101.2	101.2	101.2	101.4	101.6	101.8	102	102.2	102	102
42	Mixed	9	1100			101.8	101.6	101.6	101.6	103	104	104	104	103	102.8
43	Mixed	10	1150			101.8	101.6	101.4	101.4	101.4	101.6	101.8	102	102	102
44	Mixed	5	900			101	101	101.2	101	101.6	102	102.4	102	101.8	101.6
45	Mixed	10	1100			101.2	101.2	101.4	101.4	101.8	101.8	101.6	101.8	101.8	101.6
46	Mixed	7	1050			101	101	101.2	101.2	103.8	105	106	106.6	105	104
47	Mixed	6	1000			101.6	101.4	101.2	101.8	101.8	101.6	101.6	101.6	101.6	101.6
48	Mixed	7	1100			102	102	102.2	102.4	102.2	103.4	103.4	103.6	103	103
49	Mixed	7	1100			101.8	101.8	101.6	101.6	101.8	101.8	101.8	101.8	101.8	101.6
50	Mixed	6	1050			101.4	101.4	101.2	101.4	102.2	102	102.2	102	102	102

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age - Years	Weight	Amount Injected	Date and Time of Injection.	Dates: July 16, 1897. July 18, 1897 — TEMPERATURES BEFORE INJECTION.				Dates: July 17, 1897. July 19, 1897. — TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
51	Mixed	7	1100	2 cubic centimeters.	July 19th, 12:30 A. M.	101.6	101.6	101.6	101.4	101.6	101.6	101.8	101.6	101.6	101.6
52	Mixed	12	1100			101.4	101.6	101.4	101.6	101.8	101.8	101.8	101.8	101.8	101.6
53	Mixed	7	1050			101.4	101.4	101.6	101.6	101.6	101.6	101.6	101.8	101.8	101.6
54	Mixed	7	1100			102	102	101.2	101.4	102.6	104	105	105.6	106	105.6
55	Mixed	8	1050			101.6	101.2	101.6	101.6	102	102	102.2	102.4	102	101.8
56	Mixed	9	1100			101	101.6	101.4	101.2	101.6	101.6	101.4	101.6	101.6	101.8
57	Mixed	7	1050			102	101.8	101.6	101.6	103	104.6	105.4	106.2	106.6	106.4
58	Mixed	8	1100			102.2	102	102	102	102.2	102.6	102.8	103	103	102.8
59	Mixed	6	1050			101.6	101.4	101.6	101.4	101.8	101.6	102	102.3	102	102
60	Mixed	9	1100			101.6	101.2	101.4	101.2	101.6	101.8	101.6	101.8	101.8	101.8
61	Mixed	6	1050			101.6	101.8	101.6	101.4	101.2	101.4	101.2	101.4	101.2	101.4
62	Mixed	9	1100			101.2	101.2	101	101.2	101.2	101	101.4	101.2	101.4	101.2
63	Mixed	6	1050			101.6	101.6	101.4	101.4	101.4	101.2	101.4	101.6	101.8	101.2
64	Mixed	6	1050			101.2	102	102	101.8	102	103.2	104	103	103.2	103
65	Mixed	7	1100			101.6	101.4	101.4	101.2	101.6	101.4	101.6	101.8	101.2	101.4
66	Mixed	7	1050			102.2	102	101.8	101.8	103	104.6	105.6	107	106.6	106
67	Mixed	9	1100			101.6	101.6	101.4	101.2	101.4	101.6	101.8	101.2	101.4	101.6
68	Mixed	7	1050			101.2	101.8	101.6	101.8	101.8	101.8	101.2	101.4	101.6	101.8
69	Mixed	9	1100			100.8	101	101.2	101.2	101.6	101.2	101.4	101.6	101.8	101.2
70	Mixed	10	1100			102.2	102	101.8	101.6	103.8	104.2	105	105.6	106.6	106.2
71	Mixed	5	900			102.4	102.2	102	102	101.8	102.2	102.2	102.4	103.2	103
72	Mixed	10	1050			102.2	102	101.8	101.6	101.4	101.4	101.6	101.8	101.2	101.4
73	Mixed	6	900			102	101.8	101.8	101.6	101.6	101.6	101.8	101.2	101.4	101.2
74	Mixed	7	1050			102	101.6	101.6	101.8	102	102	102.2	101.8	102	102
75	Mixed	7	850			102.4	101.6	101.8	102	102	102.4	103	103.6	103.2	103

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 18, 1897. TEMPERATURES BEFORE INJECTION.				Date: July 19, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m	6 p.m.
76	Mixed.....	6	900	2 cubic centimeters.	July 19th, 12:30 A. M.	101.8	101.8	101.6	101.8	101.8	101.8	101.2	101.4	101.6	101.8
77	Mixed.....	7	1050			102	101.8	102	101.8	104	106	106.8	106	105.8	105.2
78	Mixed.. ...	7	1100			101.4	101.4	101.4	101.6	101.2	101.2	101.4	101.6	101.8	101.2
79	Mixed.....	6	1100			102	102	101.8	101.8	101.4	101.4	101.6	101.8	101.2	101.4
80	Mixed.....	12	1150			101.6	101.4	101.4	101.6	103	104.4	105.4	106	106.6	107
81	Mixed.....	7	1100			101.2	101.4	101.6	101.6	101.6	101.6	101.8	101.2	101.4	101.6
82	Mixed.....	7	1150			102.4	102	101.8	101.4	101.8	102.4	102.4	102.2	102	102.2
83	Mixed.....	8	1050			101.8	101.6	101.6	101.6	101.8	101.8	101.2	101.4	101.6	101.8
84	Mixed.....	9	1000			102	101.8	101.4	102	105	106	106.8	107	107	106.4
85	Mixed.....	7	1000			101.6	101.6	101.8	101.4	101.2	101.2	101.4	101.6	101.8	101.2
86	Mixed.....	7	1050			102	101.4	101.6	101.8	102	102	102	102.4	103	103
87	Mixed.....	8	1050			102	101.6	101.4	101.6	101.6	101.4	101.6	101.8	101.2	101.4
88	Mixed.....	5	1000			101.2	101.4	101.6	101.4	101.4	101.6	101.8	101.2	101.4	101.6
89	Mixed.....	9	1100			101.6	101.6	101.6	101.6	101.6	101.8	101.2	101.4	101.6	101.8
90	Mixed.....	6	1050			101.2	101.6	101.6	101.4	101.8	101.2	101.4	101.6	101.8	101.4
91	Mixed.....	7	1100			101.6	101.6	101.4	101.6	101.8	101.8	101.8	101.8	101.6	101.6
92	Mixed.....	8	1050			101.6	101.4	101.4	101.4	101.4	101.2	101.4	101.4	101.4	101.2
93	Mixed.....	9	1100			102	102	102.2	102.2	102	103	104	106	107	106.4
94	Mixed.....	12	1200			102	102	102	102	102	102	101.8	101.8	101.6	102
95	Mixed.....	7	1150			101	101.4	101.2	101.4	101.4	101.2	101.4	101.6	101.4	101.4
96	Mixed.....	6	1050			101.6	101.6	101.4	101.2	101.2	101 4	101.6	101.8	101.6	101.6
97	Mixed.....	9	1100			102	101.8	101.8	101.4	103.8	104	104	104	104	103.6
98	Mixed.....	6	1000			101.4	101.6	101.6	101.4	101.4	101.6	101.8	101.6	101.4	101.4
99	Mixed.....	5	1050			101.6	101.4	101.4	101.6	101.6	101.8	101.6	101.4	101.6	101.4
100	Mixed.....	8	1150			101 4	101 6	101.4	101.4	102.8	103.4	103.4	103.4	103.2	103.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 18, 1897. TEMPERATURES BEFORE INJECTION.				Date: July 19, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
101	Mixed.....	7	1050	2 cubic centimeters.	July 19th, 12:30 A. M.	101.8	101.2	101.2	101.4	101.8	101.4	101.2	101.4	101.4	101.8
102	Mixed.....	9	1100			102	101.8	101.6	101.4	103.8	104.2	105.8	106	106	105.2
103	Mixed.....	8	1050			101.6	101.8	102	102	102	102.8	103	103	103.2	103
104	Mixed.....	7	1050			101	101.8	101.4	101.2	101.2	101.4	101.4	101.6	101.6	101.6
105	Mixed.....	12	1100			101.2	101.6	101.2	101.2	101.4	101.6	101.6	101.4	101.4	101.4
106	Mixed.....	7	1050			101	101	101.2	101.8	102	102.8	102.8	103	103.8	103.8
107	Mixed.....	6	1100			101.8	101.2	101	101.4	101.6	101.8	101.4	101.6	101.8	101.4
108	Mixed.....	7	1050			101.2	101	101.4	101	102	102.6	103	103.4	103	102.8
109	Mixed.....	7	1150			100.8	101	101	101.2	101.8	101.4	101.6	101.4	101.6	101.4
110	Mixed.....	6	1100			101.2	101.6	101.6	101.4	101.2	101.2	101.2	101.4	101.4	101.6
111	Mixed.....	10	1200			101.4	101.8	101.2	101.6	104	105	106	106.6	106.4	106.4
112	Mixed.....	7	1150			101.4	101.2	101	101.2	101.4	101.4	101.4	101.6	101.6	101.4
113	Mixed.....	10	1150			101.2	101	101.2	101.2	102	103	103	102.8	102.6	102
114	Mixed.....	5	1000			101.6	101.2	101.2	101.2	101.6	101.6	101.6	101.6	101.6	101.4
115	Mixed.....	10	1150			101	101.4	101.4	101.4	101.8	101.8	101.6	101.4	101.4	101.6
116	Mixed.....	9	1000			101	101.2	101.4	101.4	101.6	101.2	101.4	101.4	101.2	101.4
117	Mixed.....	7	1150			101.6	101.2	101.4	101.4	101.2	101.4	101.6	101.6	101.4	101.4
118	Mixed.....	9	1000			101.2	101.6	101.2	101.6	102	101.8	102	102.4	103	103
119	Mixed.....	7	1000			101.6	101.2	101	101.6	101.4	101.6	101.8	101.6	101.6	101.4
120	Mixed.....	7	1100			101.2	101	101.2	101.4	101.6	101.6	101.8	101.4	101.4	101.6

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Anim.	RETRO-PHARYNGEAL GLANDS.	MESENTERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITONEUM.	UTERUS.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIASTINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.
4		Affected....	Affected....	Affected....	Affected....		Affected....	Tubercular.	Tubercular.		Tubercular.	
8			Affected....				Tubercular.		Tubercular.			
15							Tubercular.	Tubercular.	Tubercular.		Tubercular.	
20							Tubercular.	Tubercular.				
26							Tubercular.		Tubercular.			
31		Tubercular.	Tubercular.		Tubercular.							
40							Tubercular.	Tubercular.	Tubercular.		Tubercular.	
46	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular
54							Tubercular.	Tubercular.	Tubercular.			
57		Tubercular.	Tubercular.		Tubercular.							
66								Tubercular.	Tubercular.			
70									Tubercular.			
77							Tubercular.	Tubercular.	Tubercular.			
80		Tubercular.	Tubercular.		Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	
84							Tubercular.		Tubercular.			
93							Tubercular.	Tubercular.	Tubercular.			
102							Tubercular.		Tubercular.			
111		Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular	Tubercular.		Tubercular.	

H. H. H. BURFEIND.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age Years	Weight	Amount Injected	Date and Time of Injection.	Date: July 24, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 25, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	6	1000	2 cubic centimeters.	July 25th, 12:30 a. m.	101.6	101.6	101.4	101.4	101.8	101.2	101.4	101.6	101.2	101.4
2	Mixed	7	1100			101.6	101.4	101.4	101.4	101	101.2	101.4	101.2	101.4	101.4
3	Mixed	9	1150			102.4	102	102.2	102.2	101	101	101	101	101.2	101.2
4	Mixed	6	1050			102.2	102	102.2	102	103	104.6	105.6	107	107	106.4
5	Mixed	10	1150			101	101.4	101.2	101.4	101.2	101.4	101.6	101.6	101.6	101.6
6	Mixed	9	1100			101.6	101.6	101.4	101.2	101.4	101.2	101.4	101.4	101.6	101.2
7	Mixed	7	1100			102	101.8	101.8	101.4	102.6	104	104.4	104.6	103.8	103
8	Mixed	5	1000			101.4	101.6	101.6	101.4	102.8	102.4	103	103.6	103.6	103
9	Mixed	3	900			101.4	101.4	101.4	101.6	101.6	102	102	101.4	102	101.8
10	Mixed	7	1050			101.6	101.6	101.4	101.4	102.4	102.2	102	102.2	102.2	102.2
11	Mixed	9	1150			101.4	101.2	101.2	101.4	102	101.6	102	102.4	103.2	103
12	Mixed	6	1000			101.8	101.8	101.6	101.1	102.2	101.6	101	101.8	101.8	101.8
13	Mixed	7	1150			102	101.8	102	102	106.2	107.4	107.2	107	107	106.6
14	Mixed	7	1100			101.6	101.6	101.4	101.2	101.2	101.4	101	101	101.2	101.4
15	Mixed	7	1150			101	101	101.2	101.2	101	101.8	101.6	101.2	101.6	101.4
16	Mixed	3	900			101.2	101.2	101.2	101.4	103	104	104	104	103	102.8
17	Mixed	1	1050			100.8	101	101	101	102	101.8	102	103	103.2	103
18	Mixed	5	1050			101.8	101.6	101.4	101.4	101	101	101.2	101.4	101.4	101.6
19	Mixed	4	1050			101.8	101.8	101.6	101.6	103.6	106	106.6	106	105.8	105.2
20	Mixed	10	1150			101.2	101.2	101.2	101.2	101.6	101.4	101.4	101.4	101	101
21	Mixed	7	1100			100.8	101	101	101.2	102.2	103.4	103.4	103.6	103	103
22	Mixed	10	1150			101.2	101.2	101.2	101.2	101	101	101	101	101.2	101
23	Mixed	9	1100			101.4	101.4	101.2	101.4	101.6	101	101	101.2	101.4	101.2
24	Mixed	7	1100			101.4	101.2	101.4	101.4	101.4	101	102	101.8	101.6	101.2
25	Mixed	5	1000			101.2	101.2	101.4	101.6	101.8	101.4	101.4	101.6	101	101.4

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Date: July 25, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 25, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed.....	7	1150	2 cubic centimeters.	July 26th, 12:30 A. M.	101.6	101.6	101.4	101.6	100.8	100.8	101.4	101.2	101.4	101.4
27	Mixed.....	3	900			101	101	101.2	101.4	101	101	101.6	102	102	102
28	Mixed.....	7	1050			101	101	101	101.2	101.2	101.4	101.6	101.6	101.6	101.6
29	Mixed.....	6	1000			101.6	101.4	101.2	101.4	102.2	103.6	105.4	105.8	106	105.4
30	Mixed.....	9	1150			101.2	101.2	101.2	101.2	101	101.6	102	101.8	101.6	101.2
31	Mixed.....	7	1100			101.6	101.6	101.4	101.2	101	101.6	101	101.4	101.4	101.6
32	Mixed.....	10	1150			101.8	101.6	101.6	101.4	101.6	101	101	101.8	102	101.8
33	Mixed.....	9	1200			102	101.8	101.6	101.4	102	102.2	103.8	105	105.8	106
34	Mixed.....	7	1100			101.6	101.8	101.8	101.8	101.8	102.2	101.6	101.2	101.8	101.8
35	Mixed.....	7	1100			101	101.2	101.4	101.2	101.6	101.4	101.4	101.2	101.2	101.4
36	Mixed.....	8	1150			102	102	102	102	101.2	102.8	103.6	104	104.2	103.6
37	Mixed.....	6	1050			101.6	101.6	101.4	101.2	101.4	101.6	101.8	101.8	101.4	101.6

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal	RETRO-PHARYN-GEAL GLANDS.	MESEN-TERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITO-NEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIAS-TINAL GLANDS.	PLEURA.
4			Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular
13						Tubercular	Tubercular	Tubercular	Tubercular
19	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	
29			Tubercular	Tubercular		Tubercular		Tubercular	
33		Tubercular				Tubercular	Tubercular	Tubercular	

DUTTON V. WRIGHT.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection	Date: July 29, 1897. Temperatures before injection. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 30, 1897. Temperatures after injection. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.	Local Lesion
1	Mixed	7	1000	2 cubic centimeters.	July 30th, 12:30 A. M.	104	102	103	102.8	105.2	106.4	106	106	107	105.8	Slight.
2	Mixed	8	1100			102.2	101.4	101.6	101.4	101.2	101.4	100.8	101	102	101.6	
3	Mixed	8	1000			101.4	101.4	101.4	102	103.6	104.6	105.6	107	106.2	106	
4	Mixed	9	1000			100.4	100.8	101.2	101.6	101	100.8	101	101.4	101.6	101.8	
5	Mixed	11	1050			101.6	100.8	101	100.6	102.4	102.6	102.2	102.4	102	102	
6	Mixed	14	1050			103.4	103	103	102.8	103.2	104.4	105	106.2	106.2	106	
7	Mixed	14	1050			101	101.4	102.6	103.8	103	103	101.6	100.8	100.8	101.2	
8	Mixed	12	1100			101.2	101	101	101	101.2	101.2	101.4	101.4	101.4	101.6	
9	Mixed	12	1100			101.4	101.2	101.4	101.2	103.6	104.6	105.2	106	106.4	106.4	
10	Mixed	11	1050			100.8	101	101	101	100.8	101.2	100.8	101	100.8	100.8	
11	Mixed	12	1100			101	101.2	102.4	102	101.6	101.8	101.4	101	101.4	101	
12	Mixed	14	1000			101	101.4	101.2	101.4	101.2	101.2	101.2	101.4	101.2	101.4	
13	Mixed	16	1150			100.8	100.6	101.2	101.4	102	102.8	104.6	101.2	105.4	105	
14	Mixed	18	1200			101.2	101.2	100.8	101.2	102.2	102.2	101.2	102	101	101.6	
15	Mixed	14	1000			101.4	101.2	101.4	101	101	100.8	101.4	102	100.8	100.8	
16	Mixed	16	1100			101.4	101.4	101.6	101.4	101	101	101.4	101.8	101.2	101.8	
17	Mixed	18	1050			101.4	101	101.4	101.6	101.6	101.4	101.2	101.6	101.2	101.6	
18	Mixed	14	1050			101	101.2	101.4	101	101	101.4	101.6	101.4	101.4	101.6	
19	Mixed	16	1100			101	101	101.4	101.2	102.4	104	105	106.2	107	106.4	
20	Mixed	16	1050			101	101	101.4	101	101.2	101.6	101.2	101.6	101.6	101.4	
21	Mixed	12	1050			101.6	101.6	102.6	101.2	104	105.6	105.8	106.4	105.4	105	
22	Mixed	12	1050			101.4	101	101.4	101	101.4	101.2	101.4	101.4	101.4	101.2	
23	Mixed	11	1000			101.6	101.4	101.2	101.4	101.4	101.2	101.6	101.2	101.4	101.4	
24	Mixed	10	1100			101.4	101.6	102	101.4	101.2	101	101.4	101.4	101.4	101.6	
25	Mixed	9	1150			101.2	100.8	100.4	100.6	101.6	100.8	101.2	101.2	101.6	101.4	
26	Mixed	9	1150			101	101	102.6	101.2	101.2	101	101.2	101.4	101.2	101.2	
27	Mixed	9	1150			101.4	101	101.4	100.8	101.4	101.2	101.4	101.4	101.4	101.2	
28	Mixed	9	1000			102	100.8	101.4	101.8	101.6	101.2	101.4	101.6	101.4	101.6	
29	Mixed	7	1000			101.4	101.4	102	101.8	103.4	104.6	105.4	106.4	106	105.8	
30	Mixed	8	1150			101.2	101.4	101.8	101.6	103	104	105	105.8	106.4	106.6	
31	Mixed	12	1050			102.6	102.2	102.4	102	104.4	105.6	106	106.2	106	105.8	
32	Mixed	14	1000			100.8	101	101	101.2	104.2	104.4	105	106	104.2	104	
33	Mixed	9	1000			100.8	101.2	101	104.6	104.6	105	105.2	106.4	106.2	106.2	

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age	Weight	Amount Injected	Date and Time of Injection.	Date: July 29, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: July 30, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
34	Mixed	8	1050	2 cubic centimeters.	July 29th, 12:30 A. M.	101.4	101.4	101.4	101	101	103	102	101.8	102.4	103.2
35	Mixed	8	1000			101.2	101.4	101	101.2	102.6	101.8	102.2	103	103	102.6
36	Mixed	9	1000			101.6	101.4	101.4	101.4	103.2	101.6	101.2	102	101.8	101.8
37	Mixed	10	1100			101.2	101.2	101.4	101	101	100.6	101.2	100.8	101	101.2
38	Mixed	12	1100			101.8	101 6	101.4	101.4	101.2	103.6	105 6	106.2	106	104.6
39	Mixed	14	1200			101.6	101.6	101 4	101	101	103.2	102.4	101.6	101.6	101.6
40	Mixed	8	1000			100.8	101.2	101.4	101	101.8	101.2	101	101	101.6	101.2
41	Mixed	8	1050			101	101	101.2	101	101.6	101.4	101.2	101.6	101.4	101.2
42	Mixed	9	1050			101.4	101.4	101.4	101.2	104.2	104.8	105.4	106.4	106.2	106
43	Mixed	9	1100			101.4	101.2	101.6	101	103	103.4	105	105.8	101	105.2
44	Mixed	8	1100			100.6	101	101.2	101	102.2	102.2	102.2	102.2	102.2	102
45	Mixed	8	1050			101.4	101.4	101.2	101.2	104.2	105.2	106	106.4	106	105.2
46	Mixed	8	1050			101	101	101	101.4	103.2	102.2	101.6	102	101.6	102.2
47	Mixed	10	1050			100.4	101.6	101.4	101.6	103.2	104.8	105.4	106.2	105.2	104.2
48	Mixed	10	1050			100.8	101.2	101.4	201.2	100.4	100.4	100.8	100.6	101	101
49	Mixed	9	900			100.6	101	101.2	101.4	100.8	100.6	101	101.2	101.4	101.8
50	Mixed	10	1000			101.4	101.2	101.2	101.2	101	101.6	101 4	101.4	101.6	101.4
51	Mixed	9	1150			101.8	101.6	101.4	101.4	102	101.4	101.4	101.6	101.4	101.6
52	Mixed	8	1200			101.8	101.4	101.2	101.2	101.6	101.4	101.2	101.4	101.2	101.4
53	Mixed	8	1200			101.4	101.4	101.2	101.6	102	103.8	105	105.8	106	105.2
54	Mixed	9	1200			101.6	101.4	101.2	101.4	101.8	101.6	101.4	101.2	101.4	101.6
55	Mixed	9	1100			101	101	101.2	101.2	101.4	101.4	101.6	101.4	101.6	101.4
56	Mixed	7	1100			105	105	104	104	*	*	*	*	*	101.6
57	Mixed	10	1150			102	101.6	101.4	101.4	102.8	106	106.4	105.6	105.4	105
58	Mixed	12	1200			101.4	101.6	101.6	101.6	101.6	101.6	101.2	101.6	101.4	101.6
59	Mixed	14	1050			100.6	101.4	101 2	101 4	101.4	101.4	101 4	101.4	101.2	101 4
60	Mixed	14	1000			101.4	101.2	101.2	101.6	101.6	101.6	101.6	101.4	101.4	101.6

* Condemned without testing.

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal.	RETRO-PHARYN-GEAL GLANDS.	MESEN-TERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITO-NEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIAS-TINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.	LOCAL CONGESTION.
1	Affected.	Affected.	Affected.		Affected.	Affected,	Affected.	Affected.	Affected.	Affected.		Slight.
3						Affected.	Affected.	Affected.				Slight.
6			Affected.	Slightly Tubercular	Affected.	Affected.	Affected.	Affected.				Slight.
9						Affected.	Affected.	Affected.			Affected.	Slight.
13	Affected.	Affected.	Affected.		Affected.	Affected.	Affected.	Affected.	Affected.	Affected.		Slight.
19	Affected.	Affected.	Affected.		Affected.	Affected.	Affected.	Affected.		Affected.		Slight.
21			Affected.	Affected.	Affected.	Affected.	Affected.	Affected.				Slight.
29	Affected.	Affected.	Affected.		Affected.	Affected.	Affected.	Affected.		Affected.		Slight.
30						Affected.	Affected.	Affected.				Slight.
31		Affected	Affected.		Affected.	Affected.	Affected.	Affected.				Slight.
32							Affected.	Affected.				Slight.
33		Affected.	Affected.		Affected.	Affected.	Affected.	Affected.				Slight.
38							Affected.	Affected.				Slight.
42						Affected.	Affected.	Affected.				Slight.
43						Affected.	Affected.	Affected.				Slight.
45	Affected.	Affected.	Affected.			Affected.	Affected	Affected.				Slight.
47	Affected.	Affected.	Affected.		Affected.	Affected.	Affected.	Affected.		Affected.		Slight.
53		Affected.	Affected.	Affected.	Affected.		Affected.	Affected.				Slight.
56						Affected.	Affected.	Affected.				
57						Affected.	Affected.	Affected.				Slight.

GEORGE HAWES.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: August 6, 1897. TEMPERATURES BEFORE INJECTION.				Date: August 7, 1897. TEMPERATURES AFTER INJECTION					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	9	1100	2 cubic centimeters.	August 7th, 12:30 A. M.	101.6	101.6	101.6	101.4	102	104 4	105.6	106.2	105.2	105
2	Mixed	8	1050			102.8	102.6	102.4	102	101.4	101.6	101.4	101.6	101	101.4
3	Mixed	9	1050			101	101.4	101.6	101.4	101.2	103.4	104.6	106.2	106.6	106
4	Mixed	10	1100			101.8	101.4	101.8	101.8	101.2	101.8	101.8	101.6	101.4	101.4
5	Mixed	5	950			101.8	100.4	102.4	102.2	101.2	102	101.6	101.8	101.6	101.6
6	Mixed	6	1000			101.6	101.6	102	102	101.4	101 6	101.8	101.6	101.4	101.4
7	Mixed	4	950			102.2	102	102.6	102.4	101.6	101.2	101.2	101.4	101.2	101.2
8	Mixed	10	1000			101.6	102	102.2	102	101.8	101.4	101.4	101 2	101.4	101 2
9	Mixed	3	850			102	101.8	102.2	102.2	102	101 6	101 6	101.8	102	101.8
10	Mixed	4	900			101.6	101.6	101.4	101.2	101.4	101.8	101.2	101.4	101.6	101 2
11	Mixed	10	1100			102.4	102.4	102	102	101.2	102	101.4	101.6	101.8	102
12	Mixed	7	1050			101.4	101.6	101.8	101.6	101.2	102	102	101.8	101.8	102
13	Mixed	12	1100			102	101.6	101.8	101.8	101.6	101.2	101.4	101.6	101.8	101.4
14	Mixed	10	1100			101.8	101.6	101.2	101.4	101.4	101.4	101.4	101.2	101.2	101.4
15	Mixed	10	1100			102	102	102	102	103.2	104.4	105.6	106.6	106	105.2
16	Mixed	7	1050			102	102.4	102.8	102.6	104.8	104.6	105.8	106	105	105
17	Mixed	8	1000			102	102.4	102.2	102.2	104.4	104.8	105.6	106.2	106	106
18	Mixed	7	1050			101.6	102.4	102.2	102.2	103.8	105.2	106	105.8	105.4	105
19	Mixed	8	1100			103	103	102.2	102.2	103.6	105.4	106.2	106.4	106	106
20	Mixed	9	1150			102.4	102.6	102.2	102.2	103.8	105	106	106	106	104.8
21	Mixed	8	1100			102.4	102.8	102.4	102.2	102.6	101.6	101.6	101 4	101.6	101.8
22	Mixed	7	1150			101.8	102 2	101.6	102.4	102.4	101.8	101.2	102	101.8	101.8
23	Mixed	7	1100			101.4	102.2	101.6	101.6	102	102	101.4	101.6	101.4	101.6
24	Mixed	8	1000			102.6	102	102.2	101 4	101.6	102.2	101.8	101.8	102	101.8
25	Mixed	9	1100			101.6	102	101.4	102	101.8	102.4	102.2	102	102.2	102.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: August 6, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: August 7, 1897. TEMPERATURE AFTER INJECTIONS. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed	5	1150	2 cubic centimeters.	August 7th, 12:30 A. M.	101.6	102.2	101.6	101.2	102.2	102.6	102.2	101.4	101.6	101.8
27	Mixed	10	1150			103	101.4	101.2	101.6	102.4	102.8	101.8	102	101.8	102
28	Mixed	9	1000			102.6	102.2	102	101.2	102	101.8	101.8	101.6	101.4	101.4
29	Mixed	7	1050			102.6	102.6	102.2	102.4	102.2	102	101.2	101.4	101.2	101.4
30	Mixed	6	1000			102.2	101.6	101.6	102.2	102	101.8	101.8	101.6	101.8	101.8
31	Mixed	6	1050			102.4	102.4	102.4	102	101.4	102.4	102	102	101.8	101.8
32	Mixed	9	1100			102.6	102.6	102	102	102.8	104.6	105.2	105.4	105.2	105
33	Mixed	10	1000			102.2	103.4	102.4	102.4	103	105	105.8	106	105	105
34	Mixed	4	1050			102.4	101.4	102.6	102.2	100.6	101.2	101.6	101.8	101.6	101.2
35	Mixed	7	1050			101.8	102.4	101	101.2	101	101.4	101.8	102	101.4	101.4
36	Mixed	8	1000			101.4	101.4	102	102	100.6	101.6	101.6	101.8	101.6	101.6
37	Mixed	6	1050			101.4	101.4	101.2	101.4	101	101.8	101.8	101.6	101.6	101.8
38	Mixed	7	1100			102.2	102.6	101.8	101.8	101	102.2	101.6	101.8	101.8	101.6
39	Mixed	7	1100			102.2	102.4	102.6	102.6	102	101.8	101.8	101.8	101.2	101.8
40	Mixed	8	1200			101.4	102.8	101.8	101.6	101.4	101.6	101.6	101.6	101.4	101.6
41	Mixed	5	950			101.8	101.4	102.4	102	101	101.2	101.8	102	101.6	101.8
42	Mixed	8	1150			101.4	102	101.6	101.6	101	101.4	101.4	101.6	101.8	101.6
43	Mixed	10	1050			101.6	101.8	101	101.2	101.2	101.6	101.6	101.8	101.6	101.8
44	Mixed	4	950			102.4	102.6	101.4	101.4	101.4	101.6	101.8	101.6	101.2	101.6
45	Mixed	5	1000			101.6	102	102.4	102.4	101.4	101.4	101.6	101.2	101.4	101.8
46	Mixed	6	1100			102	102	101.8	101.6	101.2	101.6	101.8	101.4	101.6	101.6
47	Mixed	3	900			102.2	102	101.6	101.6	101.4	101.8	101.6	101.6	101.8	101.8
48	Mixed	1	1050			101.8	101.4	101.8	101.4	101	101.6	101.8	101.8	101.2	101.6
49	Mixed	7	1100			101	101.8	100.8	101	101	101.8	101.6	101.6	101.4	101.8
50	Mixed	6	1050			101.6	101.6	101.4	101.2	101.6	101.6	101.8	101.8	101.6	101.6
51	Mixed	7	1050			101	101.6	101.6	101.4	101.8	101.8	101.6	101.6	101.8	101.8
52	Mixed	9	1100			102.2	102.6	102.8	102.6	103.6	104.6	105	105.2	106	105.2
53	Mixed	3	900			102.4	101.8	101.8	101.6	101	101	101.2	101.4	101.8	101.8
54	Mixed	6	950			103	103.6	103.2	102.8	101.6	101.8	102	102.2	101.8	101.8
55	Mixed	7	1000			101.6	101.4	101.6	101	104	104.6	105.2	105.8	106.2	106

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal	RETRO-PHARYNGEAL GLANDS.	MESENTERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITONEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIASTINAL GLANDS.	UDDER.	PLEURA.	REMARKS.	LOCAL CONGESTION.
1						Tubercular	Tubercular	Tubercular				Slight.
3	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Actinomycosis present.	Slight.
15			Tubercular	Tubercular		Tubercular	Tubercular	Tubercular		Tubercular		Slight.
16						Tubercular		Tubercular		Tubercular		
17			Tubercular			Tubercular		Tubercular				Slight.
18						Tubercular		Tubercular				Slight.
19								Tubercular				Slight.
20			Tubercular	Tubercular		Tubercular	Tubercular	Tubercular		Tubercular	Actinomycosis present.	Slight.
32	Tubercular		Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular		Tubercular		Slight.
33						Tubercular		Tubercular				Slight.
52		Tubercular			Tubercular	Tubercular		Tubercular		Tubercular		Slight.
55	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular		Slight.

FRENCH DAIRY—P. MENJOU.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: August 15, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: August 16, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	10	1000	2 cubic centimeters.	August 16th, 12:30 A. M.	101	100.8	100.8	101.2	101.4	101.2	101.2	101.6	101.1	101.8
2	Mixed	6	1000			101	101.2	101.2	101.2	103	104.2	105.4	106.4	106.2	104
3	Mixed	6	1100			102	102.4	102.4	102.4	107.2	107.2	106.2	104.2	104	105
4	Mixed	7	1100			101	101	101.2	101.2	101.6	101.6	101.4	101.8	101.6	101.4
5	Mixed	6	1050			101	101.4	101.4	101.4	101.8	101.4	101.6	101.6	101.6	101.4
6	Mixed	9	1000			101	101.2	101.2	101.2	102	101.6	101.2	101.8	101.8	101.4
7	Mixed	9	1100			101	101	101.2	101.2	101.6	101.8	101.4	101.8	101.8	101.6
8	Mixed	8	1150			101.2	101.2	101.4	101.4	101.6	104	106.2	107	105.2	104
9	Mixed	8	1150			102	102	102.4	102.4	105	106	107	106.2	105	103
10	Mixed	7	1050			101	101.2	101.2	101.2	101.4	101.4	101.6	101.8	101.4	101.8
11	Mixed	4	1050			102	102.2	102.2	102.2	101.8	102	101.2	101.2	101.6	101.2
12	Mixed	6	1000			101.4	101.4	102	102	105.6	106.4	106.6	106.2	105	102.4
13	Mixed	5	900			102	102.4	102.4	102.4	106.2	106.2	107.2	106	106.2	105
14	Mixed	4	900			101	100.8	101.4	101.4	101.6	101.6	101.4	101.4	101.6	101.4
15	Mixed	9	1000			101	101	101.2	101.2	102.2	104.2	106.2	107	106	106
16	Mixed	5	900			101	101	101.2	101.2	101.8	101.8	101.6	101.6	101.4	101.6
17	Mixed	9	1050			101	101.2	101.2	101.2	101.6	104.2	101.2	101.8	101.6	101.8
18	Mixed	10	1000			101	101.2	101.2	101.2	101.4	101.4	101.4	101.6	101.2	101.6
19	Mixed	6	1150			101	101.2	101.2	101.2	103	106	106.6	106.6	105.6	104.2
20	Mixed	7	1050			102	102	102.2	102.2	105.2	106	107	105	105.2	104
21	Mixed	4	850			101	101.2	101.2	101.2	103.6	104.6	105.4	106.2	106	105
22	Mixed	9	1100			102	101.8	102.2	101.2	101.8	101.6	101.6	101.8	101.4	101.8
23	Mixed	7	1050			101	101.2	101.2	101.2	101.6	101.8	101.8	101.6	101.2	101.6
24	Mixed	7	1050			101.2	101.2	101.2	101.2	101.2	101.4	101.2	101.8	101.4	101.8
25	Mixed	8	1100			101.2	101.2	101	101.2	101.4	101.6	101.4	101.6	101.6	101.6
26	Mixed	8	1100			101	101.2	101.2	101.4	101.6	101.8	101.6	101.2	101.8	101.8
27	Mixed	12	1200			101.2	101	101.2	101.4	101.2	101.8	101.8	101.4	101.8	101.2
28	Mixed	6	850			101.4	101.2	101.2	101.4	101.8	101.2	101.2	101.6	101.6	101.2
29	Mixed	10	1000			101.6	101.2	101.2	101.2	101.4	101.6	101.4	101.2	101.2	101.2
30	Mixed	4	1000			102	102.2	102.4	102.2	104	106	106.6	107	105.6	104
31	Mixed	7	1000			101	101.2	101.2	101.2	101.2	101.4	101.6	101.8	101.2	101.4
32	Mixed	7	1050			101.4	101	101.4	101.4	101.4	102.2	102.6	102	101.8	101.8
33	Mixed	6	1000			101	101.4	101.2	101.6	101.4	101.2	101.2	101.2	101.2	101.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection	Date: August 15, 1897. Temperatures before injection. 8 a.m.	12 n.	6 p.m.	12 m.	Date: August 16, 1897. Temperatures after injection. 8 a.m.	16 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
34	Mixed	7	1100	2 cubic centimeters.	August 16th, 12:30 A. M.	101.4	101	101.4	101.2	102.6	104	106.2	107.6	106	104.4
35	Mixed	4	900			101.4	101.2	101.2	101.4	101.2	101.4	101.4	101.4	101.4	101.6
36	Mixed	12	1100			101	101.2	101.2	101.6	104.2	105	106	106 2	106	105
37	Mixed	6	1050			101.4	101	101	101.8	101.4	101.6	101.6	101.6	101.6	101.6
38	Mixed	8	1050			101.2	101	101	101.2	101.4	101.8	101.8	101.8	101.8	101.8
39	Mixed	5	950			101.4	101	101.4	101.4	101.6	102	101.4	101.8	101.2	101.6
40	Mixed	9	1100			101.6	101.4	101.2	101.4	103	102.2	102.2	102.2	102	101.8
41	Mixed	8	1050			101.2	101.4	101.4	101.4	101.8	101.2	101.6	101.8	101.4	101.8
42	Mixed	7	1050			101.4	101.2	101.2	101.2	102	101.4	101.8	101.4	101.6	101.6
43	Mixed	12	1100			101.4	101.4	101.4	101.2	102	102.6	102	102	102.2	102
44	Mixed	7	1000			101.2	101.6	101.2	101.4	102	102	102.2	102	102	102.2
45	Mixed	5	1000			101	101.2	101.4	101.8	103	103	103.2	103	102.8	102.6
46	Mixed	9	1100			101	101.6	101.6	101.6	102.2	102	102	102.2	102.6	102
47	Mixed	6	1000			101.2	101.4	101.8	101.8	104	105.6	106.2	106.2	106	104
48	Mixed	9	1050			101	101.2	101.2	101.2	102.2	104	106.2	106	105	104
49	Mixed	8	1050			101.2	101.6	101.4	101.4	103.2	105	107	107	106	105
50	Mixed	9	1100			101.4	101.2	101.6	101.8	101.2	101.2	101.2	101.6	101.8	101.4
51	Mixed	11	1150			101.4	101.2	101.8	101.8	101.4	101.4	101.4	101.4	101.6	101.2
52	Mixed	9	1100			101.2	101.4	101.6	101.8	101.6	101.6	101.4	101.8	101.8	101.4
53	Mixed	8	1050			101	101.2	101.8	101.6	104.2	106.2	107	107	104	103.2
54	Mixed	6	1000			101.4	101.6	101.2	101.8	101.8	101.2	101.8	101.6	101.4	101.6
55	Mixed	6	1000			101.6	101.4	101.4	101.6	101.6	101.4	101.8	101.8	101.6	101.8
56	Mixed	7	1000			101.6	101.2	101.6	101.2	101.2	101.6	101.6	101.6	101.4	101.6
57	Mixed	10	1100			101.8	102	102.2	102	101.4	101.4	101.4	101.8	101.6	101.8
58	Mixed	6	1000			101.8	101.2	101.8	101.2	101.6	101.6	101.2	101.8	101.8	101.6
59	Mixed	7	1050			101	101 4	101.2	101.4	101.2	101.2	101.4	101 6	101	101.4

REPORT OF POST MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal	RETRO-PHARYN-GEAL GLANDS.	MESEN-TERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITO-NEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIAS-TINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.
2	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular		Tubercular	
3	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular		Tubercular	
8		Tubercular			Tubercular	Tubercular		Tubercular		Tubercular	
9							Tubercular	Tubercular			
12			Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular			
13	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular						
15		Tubercular			Tubercular	Tubercular	Tubercular	Tubercular			
19				Tubercular	Tubercular	Tubercular	Tubercular	Tubercular			
20						Tubercular	Tubercular	Tubercular			
21						Tubercular		Tubercular			
30		Tubercular				Tubercular	Tubercular	Tubercular		Tubercular	
34	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular
36						Tubercular	Tubercular	Tubercular		Tubercular	
47		Tubercular	Tubercular	Tubercular			Tubercular	Tubercular			
48			Tubercular	Tubercular		Tubercular	Tubercular	Tubercular			
49						Tubercular		Tubercular			
53			Tubercular	Tubercular		Tubercular		Tubercular			

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RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	Breed	Age—Years	Weight	Amount Injected	Date and Time of Injection	Date: August 23, 1897. Temperatures before injection. 8 a.m.	12 n.	6 p.m.	12 m.	Date: August 24, 1897. Temperatures after injection. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	7	1000	2 cubic centimeters.	August 24th, 12:30 A. M.	101	101	101	101.2	100.8	100.6	100.8	101	101	101.2
2	Mixed	6	1000			101.4	101.6	101.4	101.4	103.4	103.6	103.4	103	103	103
3	Mixed	6	1000			101.6	101.4	101.6	101.6	103.4	106	106.6	105.8	104.4	104.4
4	Mixed	7	1050			101.2	101.2	101.8	101.8	104	106	106.8	106	105.6	105
5	Mixed	7	1000			101.8	101.4	101.4	101.2	102.2	103.6	102	102.8	102.4	102
6	Mixed	8	1050			101.4	101.6	101.4	101.4	100.6	100.8	100.8	101	101.2	100.8
7	Mixed	9	1100			101.6	101.8	101.4	101.6	103.4	105	106.2	106	106	105.2
8	Mixed	7	1150			101.8	101.2	101.2	101.8	104.4	105.8	107.6	106.4	106.8	106.6
9	Mixed	9	1100			101.2	101.4	101.2	101.2	101.8	101.2	101.4	102	102.8	102.2
10	Mixed	8	1100			101.4	101.2	101.2	101.6	103.4	105.4	107	107	106	105.8
11	Mixed	10	1150			101.6	101.4	101.4	101.4	102.6	103	102.2	102	102.8	102.6
12	Mixed	9	1100			101.2	101.6	101.6	101.4	101 4	101.6	101.8	101.2	101.4	101.6
13	Mixed	8	1100			101.4	101.8	101.8	101.6	101.2	101.8	101.2	101.6	101.2	101.4
14	Mixed	8	1050			101.6	101.2	101.6	101.4	101.4	102	101.4	101.8	101.6	101.6
15	Mixed	7	1050			101 8	101.6	101.8	101.8	101.6	102.2	102	102	102.2	101.8
16	Mixed	7	1050			101.4	101.4	101 4	101.2	104.6	105	106	105.2	105	105
17	Mixed	6	1000			101	101.2	101.6	101.4	102.8	102.4	102	102.4	102.6	102
18	Mixed	6	1050			102	102.2	101.8	102	103.4	104	104.2	104.6	104.4	104
19	Mixed	7	1050			101	101.2	101.2	101.6	103.4	103	103.2	103	103.2	103.2
20	Mixed	8	1100			101.2	101.4	101.4	101.8	104	104.4	105.8	106	106.2	106.4
21	Mixed	8	1100			101.4	101.6	101.4	101.4	101.2	101.4	101.6	101.8	102	101.4
22	Mixed	7	1100			101.6	101.4	101.6	101.4	101.2	101.2	101.4	101.2	100.8	101
23	Mixed	7	1050			101.8	101.6	101.8	101.4	102	103.4	103.6	103.6	103.4	103
24	Mixed	7	1050			102	101.8	102.2	102	101.4	101.4	101.2	101.4	101	101
25	Mixed	9	1150			101.6	101.4	101.2	101.2	101.6	101.6	101.4	101.6	101.2	101.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: August 23, 1897. TEMPERATURES BEFORE INJECTION.				Date: August 24, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed	8	1100	2 cubic centimeters.	August 24th, 12:30 A. M.	101.2	101.6	101.4	101.2	101.8	101.8	101.6	101.8	101.2	101.6
27	Mixed	9	1100			101	101.2	101.6	101.2	102	102	101.8	102	101.4	101.2
28	Mixed	10	1150			102	102	102	102.2	105	106	107.4	106	106.8	106.2
29	Mixed	7	1050			101	101	101.2	101.2	101.4	101.2	101.6	102	101.8	101.8
30	Mixed	9	1100			101.2	101.2	101.4	101.4	101.6	101.4	101.8	101.8	101.6	101.4
31	Mixed	9	1100			101	101.4	101.4	101.6	101.4	101.2	101.4	101.4	101.8	101.8
32	Mixed	9	1050			101	101.6	101.2	101	101.6	101.4	101.6	101.6	101.4	101.4
33	Mixed	8	1050			101.2	101.4	101.6	101.8	103.2	103.4	103.2	103	102.8	102.8
34	Mixed	9	1100			101	101.6	101	101	101.8	101.6	101.8	101.4	101.6	101.6
35	Mixed	8	1050			102	102.4	102.4	102.6	103.2	103.8	104	103.6	103	102.4
36	Mixed	8	1000			101.2	101.4	101.4	101.6	102	101.8	102	101.6	102	101.8
37	Mixed	7	1000			102.4	102.4	102.6	102	104	104.2	106	106.8	106.2	105
38	Mixed	9	1150			101.2	101.4	101.4	102.6	103	103.2	103	102.8	102.2	102.6
39	Mixed	7	1050			101.8	101.8	102	101.6	103	105.2	106	105.2	105.6	105
40	Mixed	7	1050			102	102.4	102.6	101.2	104.6	105.8	106.4	106	105.8	104.8
41	Mixed	8	1100			101.4	101.4	101.6	101.4	103.2	105	106	105.8	105.8	104.8
42	Mixed	7	1050			101	101	101.2	101	101.4	101.4	101.4	101.6	101.8	101.8
43	Mixed	9	1150			101.2	101.2	101.4	101.4	102.6	103	102.2	102.6	101.6	101.6
44	Mixed	8	1100			101	101.8	101	101.4	101.6	101.6	101.6	101.8	101.4	101.4
45	Mixed	7	1000			101	101.2	101.2	101.6	102.2	102.4	103.2	103.4	103	102.8
46	Mixed	7	1100			102	101.2	101.4	101.4	101.8	101.8	101.8	101.6	101.6	101.6
47	Mixed	10	1050			102	102.4	102.4	102.6	102	102	102.8	102	101.8	101.8
48	Mixed	10	1100			101	101.2	101.4	102	104.4	105	106.4	106	105	105.4
49	Mixed	10	1150			102	102.2	102.4	101.6	101.4	101.4	101.4	101.4	101.4	101.2
50	Mixed	7	1050			101.8	101.8	102	101.2	102	102.8	102.8	102.6	102.8	103

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal.....	BREED.	Age—Years.....	Weight.....	Amount Injected.....	Date and Time of Injection.	Dates: August 23, 1897. August 26, 1897. TEMPERATURES BEFORE INJECTION.				Dates: August 24, 1897. August 27, 1897. TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
51	Mixed.....	7	1050	2 cubic centimeters.	August 24th, 12:30 A. M. August 27th, 12:30 A. M.	101	101.4	101.4	101.4	101.6	101.2	101.6	101.6	101.6	101 4
52	Mixed.....	9	1050			101	101	101.2	101.2	101.8	101.4	101.8	101.8	101.8	101.6
53	Mixed.....	8	1100			101.2	101.2	101.2	101.4	101.4	101.6	101.4	101.4	101.4	101.8
54	Mixed.....	8	1050			102	101.8	101	101.2	101.6	101.8	101.6	101.6	101.6	101.4
55	Mixed.. . .	7	1050			101	101.2	102.4	102.4	104.4	104	106	105.6	105.4	105.2
56	Mixed.....	7	1000			101	101	101.2	101.2	101.8	102	101.8	101.8	101.8	101.6
57	Mixed.....	9	1050			101	102.2	101.2	101.4	102.6	103	103.2	103	102.6	102.8
58	Mixed.....	7	1050			101.2	101	101.4	101.4	101.2	101.4	101.4	101.2	102	101.8
59	Mixed.....	8	1100			101.4	101.2	101.8	101.8	101.4	101.6	101.6	101.4	101.4	101.4
60	Mixed.....	8	1050			101.2	101.6	101.8	101.8	101.6	101.8	101.8	101.6	101.6	101.2
61	Mixed.....	7	1050			102	102.2	102.4	102.4	101.6	102	102.4	103.4	102.6	103
62	Mixed.....	6	950			101	101.2	101.2	101.2	101	101.6	101	101.4	102.4	102.2
63	Mixed.....	6	1000			102	101.2	101 4	101.4	101.2	101.4	101.6	102	101.8	101.8
64	Mixed.....	5	900			101	101.2	101.6	101.6	104.4	106.4	106.4	106	104.8	103
65	Mixed	6	1050			101.8	101 4	101.4	101.2	101.6	101.8	102.8	102.6	102	102
66	Mixed.....	7	1000			101	101.2	101.2	101.4	101.4	101.6	101.8	101.4	101.6	101.8
67	Mixed.....	7	1100			101	101	101.2	101.6	102	102	102.2	102	102.2	102
68	Mixed.....	9	1150			101	101.2	101.2	101.2	102.2	103.6	105	106.4	105.8	105.8
69	Mixed.....	8	1000			101.2	101.2	101.2	101.4	101.2	101.4	101.6	101.8	101.2	101.4
70	Mixed.....	6	1050			101	101.4	101.4	101.6	100.8	100.8	100.8	101	100.8	100.8
71	Mixed.....	7	1050			101	101.2	101.2	101.2	101	101	101.8	102.8	103	103
72	Mixed.....	6	1000			101.2	101.4	101.2	101.4	101	101.4	101.2	101.4	101.6	101.6
73	Mixed.....	7	1050			101.4	101.2	101.2	101.6	101.2	101.4	101.6	101 2	101.6	101.4
74	Mixed.....	5	950			101.6	101.4	101.4	101.8	102.2	102.6	102.4	102	102	101.8
75	Mixed.....	7	1050			101	101.2	101.2	101.2	103	105.4	106	106.4	105	104.4

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: August 26, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: August 27, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
76	Mixed	6	1100	2 cubic centimeters.	August 27th, 12:30 A. M.	101.4	101.4	101.4	101.4	102	103.4	105.2	106	105	105.2
77	Mixed	9	1100			101.6	101.6	101.6	101.6	101	101.6	102.8	103	101.8	101.8
78	Mixed	10	1200			101.2	101.2	101.2	101.8	101.2	101.2	101.8	102	101.8	101.2
79	Mixed	7	1150			101.6	101.4	101.4	101.2	102.8	105.8	105.8	106	105.8	105.8
80	Mixed	9	1100			101.6	101.6	101.6	101.4	101.6	101.6	101.4	101.6	101.4	101.4
81	Mixed	8	1100			101.4	101.4	101.2	101.6	102.4	105	106	106.8	107.6	107.4
82	Mixed	4	950			101.2	101.4	101.4	101.8	102	102.4	102.4	102.6	102.8	102.6
83	Mixed	5	1000			101.4	101.6	101.6	101.2	101.2	101.4	101.6	101.4	101.6	101.8
84	Mixed	7	1100			101.6	101.8	101.8	101.4	102.4	102.4	102.4	102	102	102.4
85	Mixed	6	1150			101.2	101.6	101.2	101.6	102.4	102	103	103.2	103.6	102
86	Mixed	7	1000			101.4	101.8	101.4	101.8	101.2	101.4	101.6	101.8	101.4	101.6
87	Mixed	7	1050			101.6	101.8	101.6	101.2	101.4	101.6	101.2	101.4	101.6	101.8
88	Mixed	9	1100			101.2	101.8	101.8	101.4	101.4	102	101.8	101.8	101.8	101.8
89	Mixed	8	1100			101.4	101.4	101.2	101.6	101.4	101.6	101.4	101.6	101.4	101.6
90	Mixed	10	1100			101.2	101.2	101.4	101.8	101.2	101.4	101.6	101.2	101.4	101.6
91	Mixed	7	1100			101.2	101.2	101.2	101.4	100.8	101	101.2	101.4	101.2	101.4
92	Mixed	6	1050			101	101.4	101.4	101.6	101.4	101	101.4	101.6	101.4	101.6
93	Mixed	6	1150			101.6	101.6	101.4	101.8	101.2	101.2	101.2	101.4	101.2	101.4
94	Mixed	7	1100			101.4	101.4	101.4	101.8	101.2	101.4	101.6	101.8	101.2	101.2
95	Mixed	8	1150			101.2	101.6	101.6	101.8	101.4	101.4	101.6	101.4	101.6	101.6
96	Mixed	5	1000			101.8	101.8	101.8	101.6	101.2	101.4	101.6	101.2	101.4	101.6
97	Mixed	8	1100			102	102	101.8	102	101	101	102	102.4	102.6	102.8

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal.	RETRO-PHARYNGEAL GLANDS.	MESENTERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITONEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIASTINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.
3						Tubercular.	Tubercular.	Tubercular.			
4			Tubercular.			Tubercular.		Tubercular.			
7						Tubercular.		Tubercular.			
8	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.
10						Tubercular.	Tubercular.	Tubercular.			
16							Tubercular.	Tubercular.			
20			Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.			
28	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.
37		Tubercular.			Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	
39						Tubercular.	Tubercular.	Tubercular.			
40								Tubercular.			
41			Tubercular.	Tubercular.				Tubercular.			
48	Tubercular.	Tubercular.	Tubercular	Tubercular.		Tubercular.		Tubercular.			
55		Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.			
64						Tubercular.	Tubercular.	Tubercular.			
68							Tubercular.	Tubercular.			
75						Tubercular.		Tubercular.			
76		Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.	Tubercular.
79		Tubercular.			Tubercular.	Tubercular.		Tubercular.			
81		Tubercular.	Tubercular	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	

NAGER BROS.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: October 10, 1:97. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: October 11, 1897. TEMPERATURE AFTER INJECTIONS. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	M'xed	9	1100	2 cubic centimeters.	October 11th, 12:30 A. M.	101.6	101.4	101.2	101.4	102	102	102.6	102	101.4	101.2
2	Mixed	6	1050			101.6	101.6	101.4	101.2	101.6	101.4	101.2	101	101.6	101.4
3	Mixed	7	1050			101.4	101.4	101.2	101.2	101.4	101.6	101.8	101.6	101.2	101.2
4	Mixed	12	1100			101.2	101.6	101.4	101.2	101.2	101.4	101.6	101.6	101.4	101.4
5	Mixed	6	1000			101.4	101.6	101.6	101.4	102.8	104.2	106	106.8	107	106.4
6	Mixed	5	1000			102	102	102	101.8	101.8	102 8	102.2	103.2	103	102.4
7	Mixed	8	1100			101.6	101.4	101.2	101.4	101.8	102.4	102.2	102	101.8	101.6
8	Mixed	7	1050			102.2	102	102	101.6	101.4	102	102	102	101.6	101.4
9	Mixed	9	1000			101.6	101.6	101.4	101.2	101.6	102.2	101 6	101.2	101.8	101.8
10	Mixed	8	1100			101.8	101.6	101.4	101.4	101.6	101.6	101.4	101.6	101.4	101.6
11	Mixed	7	1100			100.8	101	101	101	101.2	101.4	101.2	101.6	101.2	101.6
12	Mixed	7	1050			102	101.8	101.6	101.6	101.2	101.2	101.4	101.4	101.4	101.2
13	Mixed	12	1200			102.2	102	102	101.6	103.8	104	104.8	105.6	106.6	106.4
14	Mixed	7	1100			101.6	101.8	101.6	101.4	103	104.8	106	106.8	106	106.4
15	Mixed	6	1050			101.4	101	101	101.4	101	101.4	101.6	101	101	101.4
16	Mixed	7	1050			101.6	101.6	101.6	101.4	101.2	101.4	101.2	101.4	101.2	101.4
17	Mixed	7	1100			102	102	102	101.8	101.8	101.8	102	103	102.8	102
18	Mixed	6	1050			101.8	101.6	101.4	101.2	101.4	101.4	101.4	101.2	101.6	101.8
19	Mixed	10	1100			101.6	101.6	101.4	101.2	101.6	101.8	101.6	101.8	101.4	101.6
20	Mixed	7	1050			101.4	101.2	101.4	101 2	101.8	102	102.2	102	101.8	101.6
21	Mixed	10	1100			101.8	101.6	101.2	101.4	101.8	102.2	102	102 2	102	102
22	Mixed	5	900			102	102	101.8	101.8	106	107	107.2	106.6	106	105
23	Mixed	10	1100			101.8	101.6	101.4	101.2	101.6	101.4	101.4	101.2	101.4	102
24	Mixed	9	1150			100.8	101	101.2	101 2	101.4	101	101	101	101.4	101.4
25	Mixed	7	1100			101	101	101.2	101.2	101.4	102.6	104	104.2	103	102.8

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: October 10, 1897.				Date: October 11, 1897.					
						TEMPERATURES BEFORE INJECTION.				TEMPERATURES AFTER INJECTION.					
						8 a.m.	12 n.	6 p.m.	12 m.	8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed	9	1100	2 cubic centimeters.	October 11th, 12:30 A. M.	101.2	101.2	101.2	101.2	102	102	101.8	101.6	101.4	101.4
27	Mixed	7	1150			101.4	101.2	101.2	101.2	102	101.8	101.6	101.4	101.4	101.6
28	Mixed	7	1050			101.4	101.2	101.2	101.2	101.8	101.8	102.2	102.6	103	102.6
29	Mixed	9	1050			101.6	101.6	101.4	101.4	101.4	102	101.6	101.8	101.8	101.6
30	Mixed	6	1000			101.4	101.2	101.2	101.4	102	102	102.8	101.4	101.2	101.2
31	Mixed	9	1100			101.8	102	102	101.8	101.4	101.6	101.8	101.6	101.6	101.4
32	Mixed	8	1100			101	101.8	101.6	101.4	101.4	101.6	101.8	101.6	101.2	101.2
33	Mixed	7	1050			100.8	101.2	101.2	101.2	101.6	101.4	101.2	101	101.4	101.4
34	Mixed	7	1100			101.2	102.2	102	101.8	102.8	104.2	106	106.8	107	106.8
35	Mixed	12	1150			101	101.6	101.6	101.6	101.8	102.8	102.2	103	102.6	102.2
36	Mixed	7	1050			101.6	101.8	101.8	101.6	101.8	102.2	102	101.8	101.6	101.4
37	Mixed	6	1050			102.2	102	101.8	101.8	102	102	102.6	102	101.4	101.2
38	Mixed	7	1100			101.8	101.2	101.2	101.6	101.4	101.8	101.6	101.6	101.4	101.6
39	Mixed	7	1100			101.2	101.4	101.2	101.4	101.6	101.6	101.4	101.4	101.6	101.4
40	Mixed	6	1100			101.6	101.4	101.2	101.4	101.2	101.4	101.6	101.6	101.4	101.6
41	Mixed	10	1050			101.4	101.4	101.2	101.6	101.2	101.4	101.6	101.2	101.4	101.6
42	Mixed	7	1100			103.4	102	102	101.8	106	106.6	107	107.2	106.6	106.6
43	Mixed	10	1150			101.6	101.6	101.6	101.6	101.2	101.6	101.8	102	101.8	101.8
44	Mixed	5	1000			101	101.4	101.2	101.4	101.6	101.8	101.4	101.6	101.8	101.8
45	Mixed	10	1150			102.4	102	102	101.8	103.6	104	104.8	105.6	106.6	106.4
46	Mixed	9	1100			102	101.8	101.6	101.6	101.6	101.4	102	101.8	101.6	101.8
47	Mixed	9	1150			101.6	101.6	101.4	101.4	101.8	102.2	102	102.2	102.2	102
48	Mixed	7	1050			102	102	101.8	102	101.6	101.8	102	102	101.6	101.8
49	Mixed	9	1100			101.6	101.6	101.4	101.6	101.6	101.4	101.4	101.2	101.6	101.6
50	Mixed	7	1100			101	101.2	101.2	101.4	102	102	101.8	101.6	101.4	101.6
51	Mixed	9	1150			102.4	102.2	102	101.8	101.4	102.6	104	104.2	103	102.8
52	Mixed	7	1050			101.6	101.6	101.4	101.4	102	101.8	101.6	101.4	101.4	101.6
53	Mixed	7	1050			102.4	101.2	101.4	101.6	101.8	101.8	102.2	102.6	103	102.6
54	Mixed	9	1100			101.6	101.6	101.4	101.6	101.4	102	101.6	101.8	101.8	101.6
55	Mixed	7	1050			101.6	101.6	101.6	101.4	101.4	101	101	101.4	101.2	101.4

EPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal	RETRO-PHARYN-GEAL GLANDS.	MESEN-TERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITO-NEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIAS-TINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.
5						Tubercular	Tubercular	Tubercular		Tubercular	
13						Tubercular		Tubercular			
14	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular	Tubercular
22		Tubercular	Tubercular	Tubercular		Tubercular		Tubercular			
23		Tubercular				Tubercular	Tubercular	Tubercular		Tubercular	
42								Tubercular			
45						Tubercular		Tubercular			

JOHN TSCHEINEN.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: October 23, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: October 24, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	6	1000	2 cubic centimeters.	October 24th, 12:30 A.M.	101.6	101.4	101.4	101.2	101.2	101	101.4	101.6	101	101
2	Mixed	9	1100			101.6	101.4	101.2	101.2	101.2	101.4	101.2	101.4	101.2	101.4
3	Mixed	7	1050			101.2	101.4	101.2	101.2	101	100.8	101.4	101.2	101.4	101.4
4	Mixed	7	1050			101.6	101.6	101.4	101.2	101.4	101.4	101.4	101.2	101.2	101.4
5	Mixed	9	1150			102.2	102	101.8	101.6	102	101.6	101.2	101.2	101.2	101.4
6	Mixed	7	1050			101.6	101.4	101.4	101.2	101.6	101.8	101.6	101.4	101.2	101.2
7	Mixed	9	1050			102.2	102	102	102	103	104.2	106	106.8	107.6	106
8	Mixed	10	1100			101.2	101.4	101.6	101.4	101.6	101.4	101.4	101.2	101.4	101.2
9	Mixed	5	1000			101.6	101.4	101.4	101.4	101.4	101	101	101	101.4	102
10	Mixed	10	1150			100.6	101	101.2	101.2	101.4	102.6	104	104.4	104.4	103
11	Mixed	7	1050			102.6	102.4	102.2	102.2	102	102	101.8	101 6	101.4	101.2
12	Mixed	10	1150			102.4	102.2	102	102	102	101.8	101.6	101.4	101.2	101.4
13	Mixed	6	1050			102 6	102.4	102.2	102	102	101.2	101.4	101.6	101.6	101.6
14	Mixed	7	1050			102.4	102.2	102.2	102	103.8	104	104.4	105.6	106.6	106.4
15	Mixed	7	1100			103.2	103	103	103	102.8	101.6	101.8	102	101.4	101.6
16	Mixed	6	1050			102.2	102.2	102.2	102	102	102.4	103	103.6	103.6	103.4
17	Mixed	7	1050			102	102	102	102	102	102	102	101.4	102.2	102
18	Mixed	12	1150			102.4	102	102	102	101.8	102.2	102.2	102.4	103.2	103.4
19	Mixed	7	1050			101.8	101.6	101.4	101.2	101.4	102	101.6	101.8	102.4	102.2
20	Mixed	7	1050			102	102	102	102	101.8	102.2	101.6	101	101.8	101.8
21	Mixed	8	1050			101.4	101.2	101.2	101.2	101.8	102.4	102.2	102	101.8	101.6
22	Mixed	9	1050			102.4	102	102	102	103.8	104.8	106	106.8	106	105.8
23	Mixed	7	1050			101.6	101.4	101.4	101.2	101.2	102.8	105	106	106.8	105
24	Mixed	8	1000			101.2	101.2	101.2	101.2	103	104.6	105.4	107	107	106.2
25	Mixed	5	1000			102.4	102.2	102.2	102.2	102.4	101.4	101.2	101	101	101.2

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age	Weight	Amount Injected	Date and Time of Injection.	Date: October 23, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: October 24, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
26	Mixed	6	900	2 cubic centimeters.	October 24th, 12:30 A. M.	101.8	101.6	101.4	101.2	101	101.6	101.4	101.6	101.6	101.4
27	Mixed	9	1150			102	102	102	102	106.8	107.4	107.2	107	106.6	106
28	Mixed	6	1050			101.6	101.4	101.2	101.2	101.4	101.6	101.4	101.6	101	101.2
29	Mixed	7	1050			102	102	102	102	101.6	101.4	101.2	101	101.6	101.4
30	Mixed	12	1100			102	102	102	102	102	102	102.8	101.4	101.2	101.2
31	Mixed	7	1100			101	101.6	101	101.4	101.4	101.2	101.4	101.2	101.2	101.4
32	Mixed	7	1050			101.8	102.4	100.4	100.8	101.6	101.6	101.4	101.4	101.2	101.4
33	Mixed	6	1000			100.6	102.2	101.4	101.8	101.8	101.8	101.8	101.8	101.6	101.4
34	Mixed	10	1150			101.2	101.2	100.6	101	101.4	101.8	101.6	101.4	101.6	101.6
35	Mixed	7	1100			101	102.6	100.6	101.2	102	102	101.8	101.2	101.4	101.2
36	Mixed	6	1050			101.6	102.6	101.4	101.2	102	103	104	106	107.4	106.4
37	Mixed	6	1050			102.2	102.6	101.6	101.6	101	101.2	102	102.2	102.2	102
38	Mixed	8	1100			101.8	101.6	101.4	101.6	103.8	104	104	104	104	103.6
39	Mixed	9	1050			101.2	101.6	101	101.4	102	102.8	102.8	103	103.8	103.8
40	Mixed	11	1100			101.6	101.4	100.8	101	101	100.8	101.2	101.4	101.4	101.8
41	Mixed	9	1100			101.4	101.4	100.8	101.2	101.2	101.4	101.4	101.2	101.6	101.4
42	Mixed	8	1050			103.4	101.4	101	101.2	101.4	101.2	101.4	101.4	101.6	101.4
43	Mixed	9	1100			101.6	103.2	101.2	101.2	102.8	103.4	103.4	103.2	103.6	104
44	Mixed	6	1050			101	101.8	101.2	101.4	101	101	100.8	101	101.2	101.2
45	Mixed	9	1100			102.4	101.6	101	101.4	101.4	101.2	101.4	101.4	101.6	101.4
46	Mixed	5	1050			102.4	102.2	101	101.2	101.2	101.4	101.2	101.4	101.6	101.4
47	Mixed	7	1000			101.6	101.6	101.4	101.2	101.2	101.4	101.2	101.2	101.4	101.4
48	Mixed	12	1150			101.6	102.4	101	101.2	101.6	101	101	101.2	101.2	101
49	Mixed	7	1050			101.6	102.4	101	101.4	101.4	101	102	101.8	101.6	101.4

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal.	RETRO-PHARYNGEAL GLANDS.	MESENTERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITONEUM.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIASTINAL GLANDS.	UDDER.	PLEURA.	GLANDS OF MUSCLES.
6						Tubercular.	Tubercular.	Tubercular.			
14	Tubercular.	Tubercular	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.
22			Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.		Tubercular.	
23						Tubercular.	Tubercular.	Tubercular.			
24	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.						
27						Tubercular.	Tubercular.	Tubercular.			
36	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular	

LOMBARDI BROS.

RECORD OF TEMPERATURE UNDER TUBERCULIN TEST.

No. of Animal	BREED.	Age—Years	Weight	Amount Injected	Date and Time of Injection.	Date: November 4, 1897. TEMPERATURES BEFORE INJECTION. 8 a.m.	12 n.	6 p.m.	12 m.	Date: November 5, 1897. TEMPERATURES AFTER INJECTION. 8 a.m.	10 a.m.	12 n.	2 p.m.	4 p.m.	6 p.m.
1	Mixed	6	950	2 cubic centimeters.	November 5th, 12:30 A. M.	101	101.4	101.6	101.6	101.4	101.4	101	101	101	101
2	Mixed	5	850			100	100.6	100.8	101	101	100.6	101	101.2	101	101
3	Mixed	6	1000			101	100.8	100.8	100.8	100	100.8	101	101.4	103.4	103.2
4	Mixed	7	1050			100.6	101.2	101.4	101.4	101	101	101	101.4	101	101.2
5	Mixed	7	1150			101	101	101.2	101.2	100.6	101.4	101.6	102	103	102.8
6	Mixed	7	1100			101	101	101	101	104.4	104	106	106.4	105.6	105
7	Mixed	8	1000			101.6	101.4	101.2	101.2	101	101.4	107	105.8	105	104.4
8	Mixed	9	1150			101	101.4	101.2	101.4	101	101.4	101	101.8	101.8	101.4
9	Mixed	7	1000			101.2	101.6	101.2	101.2	101.6	101.4	101.6	102	102.6	102.4
10	Mixed	10	1150			101	101.4	101.4	101.2	101	101.6	102.8	105	105.6	105
11	Mixed	9	1100			101.2	101.2	101.2	101 2	101	101.4	101	101.8	101	101.2
12	Mixed	10	1100			101.2	101.4	101.2	101.4	101.2	101	102	102	102	101.8
13	Mixed	8	1050			101.2	101	100.8	101	101	101	102.8	105.8	105.8	105
14	Mixed	8	1100			100.4	101	100.8	101	101.2	102.6	102	101.6	101	101.2
15	Mixed	7	1000			101	101.2	101	101	101.2	101	101	101.2	101.2	101.4
16	Mixed	11	1050			102.2	101.2	101.2	101.4	101.2	101	101	101 2	101.2	101.4
17	Mixed	6	1000			101	101.4	01.2	101.2	101.2	101	101.2	101.4	101.4	101.8
18	Mixed	9	1050			101	101.2	101.2	101.2	100.8	104	104	105	106	106.2
19	Mixed	10	1050			102.2	101.8	101.8	101.6	101.6	104	104.2	105.2	105.6	105
20	Mixed	7	1000			101	100.8	101	101	101	102.8	103	104.4	105	104.4
21	Mixed	6	950			101	100.8	100.8	101	101	101	101.6	101.6	101.6	101.4
22	Mixed	5	1000			102.4	101.6	101.4	101.4	103	104	106.8	105.8	105	105
23	Mixed	5	900			102.2	101.8	101.6	101.4	102.2	102	102	105	104	104.2
24	Mixed	7	1050			101	101.2	101.2	101.2	101	101.4	102	103	103	102.8
25	Mixed	8	1100			101.2	101.2	101.2	101.2	100.6	101	101.4	101 6	101.4	101.4
26	Mixed	7	1100			101.2	101	101.2	101	104.2	104.4	104 4	104.4	105	105
27	Mixed	8	1050			101.6	101.4	101.6	101.4	101	102.6	103	105	105.2	105.4

REPORT OF POST-MORTEM EXAMINATION—LOCATION OF LESIONS.

No. of Animal.	RETRO-PHARYN-GEAL GLANDS.	MESEN-TERIC GLANDS.	PORTAL GLANDS.	LIVER.	PERITO-NEUM.	UTERUS.	LUNGS.	BRONCHIAL GLANDS.	POSTERIOR MEDIAS-TINAL GLANDS.	PLEURA.	GLANDS OF MUSCLES.
6	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.	Tubercular.	
7	Tubercular.						Tubercular.	Tubercular.	Tubercular.	Tubercular.	
13			Tubercular.	Tubercular.	Tubercular.		Tubercular.	Tubercular.	Tubercular.	Tubercular.	
18							Tubercular.	Tubercular.	Tubercular.	Tubercular.	
19							Tubercular.	Tubercular.	Tubercular.		
20	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Tubercular.	Inguinal glands tubercular.
22			Tubercular.	Tubercular.			Tubercular	Tubercular.	Tubercular.		

REPORT OF BAKERY INSPECTOR

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit the following report of inspection of bakeries for the fiscal year ending June 30th, 1898.

During the brief period that I have acted as Inspector of Bakeries I have found them generally in good condition, especially in the western portions of the city, where many of them are located on the ground floors.

In the eastern and more crowded sections, with few exceptions, they are in cellars. While this is unavoidable on account of the high rents that would be charged for more suitable places, and also the impossibility of obtaining locations outside of cellars in certain large sections of the city, they can be made less objectionable if statutes or ordinances could be enacted compelling owners of property in which bakeries are located to put down cement or stone floors. Most of the floors in cellar bakeries are constructed of wood, through the cracks of which the poisonous gases with which the soil of a large city is necessarily saturated rises into the bakeries, especially those imperfectly ventilated. With stone or cement floors well sealed, the exhalations from the soil could not rise into the bakeries, and the health of the men, as well as the quality of the bread, would be improved.

Through the efforts of my predecessor I find, as far as my observation goes, that the plumbing in many bakeries has

been renewed, and in this respect there is little cause for complaint.

Following is a synopsis of results of inspection of bakeries during the past year:

Total number of bakeries under inspection	237
Number of inspections from July 1st, 1897, to July 1st, 1898	1366
Number of nuisances abated	93
Number of bakeries referred to Plumbing Inspector	39
Number of nuisances unabated July 1st, 1898	4

Very respectfully,

J. T. WASHINGTON,
Inspector of Bakeries.

REPORT OF BATH AND LAUNDRY INSPECTOR.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I herewith submit my annual report as Bath and Laundry Inspector for the fiscal year ending June 30th, 1898:

NUMBER OF FIRST INSPECTIONS OF LAUNDRIES.

1897—July	12	1898—January	—
August	23	February	—
September	2	March	—
October	3	April	—
November	—	May	—
December	—	June	2
Total			42

NUMBER OF SECOND INSPECTIONS OF LAUNDRIES.

1897—July	230	1898—January	170
August	164	February	172
September	96	March	195
October	110	April	161
November	122	May	100
December	141	June	47
Total			1708

Total of First and Second Inspections.....1750

LAUNDRIES FOUND IN GOOD CONDITION.

1897—July	55	1898—January	131
August	59	February	136
September	58	March	128
October	89	April	116
November	101	May	93
December	99	June	40
Total			1105

LAUNDRIES FOUND IN BAD CONDITION.

1897—July	187	1898—January	39
August	128	February	36
September	40	March	67
October	24	April	45
November	21	May	7
December	42	June	9
Total			645

P. LYDON,
Bath and Laundry Inspector.

REPORT OF CIGAR FACTORY INSPECTOR

San Francisco, June 30th, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: In submitting my report, covering the period from February 10th, 1898, to date, permit me to state that I have inspected and approved one hundred and ninety-six (196) cigar factories in the city and county of San Francisco. In many instances I found factories in bad sanitary condition, especially in Chinatown. Permits were withheld from many of these factories pending compliance with the requirements of your honorable Board, but am gratified to say all has been satisfactorily arranged, permits issued and the general condition of affairs in much better shape. On account of the number of complaints reported to your honorable board by the Health Inspectors from their several districts, an ordinance was drafted and submitted to the honorable Board of Supervisors and passed on January 17th, 1898, thus constituting this department, which I have the honor to represent in the Health Department.

ORDER No. 46 (SECOND SERIES).

Regulating the establishment and maintenance of cigar factories within the City and County of San Francisco.

PREAMBLE.

Whereas, The indiscriminate establishment of cigar factories, where cigars are manufactured and prepared for use, is injurious and dangerous to public health and public safety, and prejudicial to the well-being and comfort of the community; now, therefore,

The people of the City and County of San Francisco do ordain as follows:

Section 1. On and after the passage of this Order it shall be unlawful for any person or persons to establish, maintain or carry on the business of a cigar factory, where cigars or other articles of tobacco are made, within the limits of the City and County of San Francisco, without having first complied with the conditions hereinafter specified.

(Persons Conducting Cigar Factories Must Obtain Certificates From Health Officer as to Sanitary Condition of Premises.)

Section 2. It shall be unlawful for any person or persons to conduct or maintain a cigar factory within the City and County of San Francisco without having first obtained a certificate signed by the Health Officer of said City and County that the premises are properly and sufficiently ventilated, and that all proper arrangements for carrying on the business without injury to the sanitary condition of the neighborhood have been complied with, and particularly that all provisions of all Orders of this Board have been complied with.

(Certificates of Health Officer—No Charge to Be Made Therefor.)

Section 3. It shall be the duty of the Health Officer, upon application from any person or persons proposing to open or conduct the business of a cigar factory within the limits of the City and County of San Francisco, to inspect the premises on which it is proposed to carry on such business, or in which said business is being carried on, with a view to ascertaining whether the said premises are provided with proper drainage and sanitary appliances; also, whether the provisions of all Orders of this Board relating thereto have been complied with, and, if found in all respects satisfactory, then to issue to said applicants the certificate provided for in Section 2 of this Order.

No charge whatsoever shall be made or compensation or fee collected or received, for the performance of any of of the services required by the provisions of this Order in the inspection of premises or the issuance of a certificate; but all services shall be performed free of charge.

(No Person Suffering From Contagious or Infectious Diseases to Be Permitted to Work, Sleep, Lodge or Remain in Any Cigar Factory.)

Section 4. No person or persons engaged in the cigar business within the limits of the City and County of San Francisco shall permit any person suffering from any contagious or infectious disease to work, sleep, lodge, or remain within or upon the premises used by him, her or them, for the purpose of a cigar factory.

(Prohibiting the Smoking of Opium in Places Wherein Cigars Are Manufactured.)

Section 5. No person or persons engaged in the cigar business within the limits of the City and County of San Francisco shall permit the introduction of or the smoking of opium within or upon the premises used by him, her or them, for the purpose of a cigar factory.

(Prohibiting Persons From Sleeping or Cooking in Rooms Wherein Cigars Are Manufactured.)

Section 6. It shall be unlawful for any person or persons owning

or employed in any cigar factory in the City and County of San Francisco to sleep or cook in the rooms wherein cigars are manufactured or prepared for use.

(Prohibiting the Placing of Cigars Between the Lips or in the Mouth For the Purpose of Biting or Moistening the Ends Thereof.)

Section 7. It shall be unlawful for any person or persons owning or employed in any cigar factory in the City and County of San Francisco to place between the lips or in the mouth the ends of cigars or other parts thereof for the purpose of moistening or biting same, or for the purpose of otherwise improving their appearance.

(Prohibiting the Spraying of Tobacco by Means of Water Emitted From the Mouth or by Means of Receptacles Whereby Water is Emitted by Means of Air Expelled From the Mouth.)

Section 8. It shall be unlawful for any person or persons owning or employed in any cigar factory in the City and County of San Francisco to spray tobacco or otherwise moisten it by means of water emitted from the mouth or by appliances whereby the water is expelled by means of the mouth.

(Prohibiting Expectoration Upon the Floors of Rooms Wherein Cigars Are Manufactured or Prepared for Use.)

Section 9. It shall be unlawful for any person or persons owning or employed in any cigar factory in the City and County of San Francisco to expectorate upon the floors of such rooms wherein cigars are manufactured or prepared for use.

(Prohibiting the Drying of Tobacco Upon Floors and Providing for the Use of Racks.)

Section 10. It shall be unlawful for any person or persons owning or employed in the cigar manufacturing business within the limits of the City and County of San Francisco to dry tobacco, previously moistened, upon floors or upon stands possessing a tendency to contaminate or injuriously affect the condition thereof, but upon clean cloths provided for the purpose and stretched over wooden frames, or upon such other contrivances previously approved by the Health Officer.

(Penalty.)

Section 11. Any person or persons establishing, maintaining or carrying on the business of a cigar manufactory wherein cigars are manufactured or prepared for use within the limits of the City and County of San Francisco, without having complied with the provisions of this Order, shall be guilty of a misdemeanor, and, upon conviction thereof, shall be punished by a fine of not more than one hundred dollars, or by imprisonment of not more than six months, or by both such fine and imprisonment.

(Certificates of Health Officer to Be Exhibited in a Conspicuous Place.)

Section 12. The certificate from the Health Officer, as required by Section 2 of this Order, shall be exhibited in some conspicuous place on the premises, and same shall be produced on the demand of any officer of the City and County of San Francisco.

(Health Officer to Enforce Provisions of Order.)

Section 13. The Health Officer is hereby directed to have the provisions of this Order strictly enforced.

In Board of Supervisors, San Francisco, January 17, 1898.

It certainly is a great acquisition to this city to have this regulation, as a comparison between former and present conditions will thoroughly demonstrate to any practical or intelligent mind. As this branch of the Department has only been organized for a short time, it is, in my opinion, hardly fair to form conclusions from present results, but from my experience thus far I feel more than confident that the Department of Cigar Factory Inspection will become one of the most important adjuncts to the Health Department.

In my rounds I have found many nuisances, which I have reported daily and caused to be abated; for instance, dirty paper on the walls, dirty clothes and floors; in several instances have required a general "clean up." I think I am justified in stating that the cigar factories in general are in good condition.

Below find figures as follows:

Permits issued to date		196
Permits withheld to date		0
Factories found in good condition	196	
Factories found in poor condition	0	
Totals	196	196
Total number inspections		757
Total number first inspections	196	
Total number other inspections	561	
Totals	757	757

Very respectfully, etc.,

B. R. PORTER,

Inspector of Cigar Factories.

REPORT OF SUPERINTENDENT OF CITY CEMETERY.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I beg to submit the following report of Interments and Disinterments in the City Cemetery for the fiscal year ending June 30th, 1898:

PLATS.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
INTERMENTS.													
Italian	124	12	8	18	18	15	18	16	17	2	....	....	....
German	14	2	...	2	2	2	1	2	3	.	....	....	....
G. A. R.	13	3	....	2	2	1	3	2	....	....	....	....	....
Seamen	1	1	....	....	....	....	....	...	....	....	....	....	....
Jewish	10	3	3	....	1	1	1	....	1	....	....	..	....
Select	92	10	8	17	17	8	15	10	7	....	....	. ..	....
Indigent	479	41	37	26	28	51	38	40	29	65	47	38	39
Chinese	290	39	33	47	41	38	30	28	34	....	....	....	....
Russian	8	2	....	1	1	1	1	....	2	....	....	....	....
French	9	....	3	....	....	2	1	1	2	....	....	....	....
St. Andrew's	3	.. .	1	...	....	1	1	....	....	.. .	....	....	....
Japanese	15	....	3	1	3	1	1	1	4	1	....	....	....
Old Friends	1	...	....	....	....	1	....	....	....	....	....	....	....
	1059	113	96	114	113	122	110	100	99	68	47	38	39
DISINTERMENTS.													
Whites	46	3	4	8	....	....	1	1	....	9	9	7	4
Chinese	489	192	111	3	62	107	1	2	2	3	3	1	2
	535	195	115	11	62	107	2	3	2	12	12	8	6

Respectfully,
J. O'KANE
Superintendent.

REPORT OF DISINTERMENT INSPECTORS.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: Herewith we beg to submit our report for the fiscal year ending June 30th, 1898.

Total number of permits issued		$55
Amount of fees collected		$5,420 00
Sarary account	$2,361 37	
Turned over to City Treasurer	3,058 63	
		$5,420 00

DISINTERMENT ACCOUNT—RECEIPTS AND EXPENSES DURING FISCAL YEAR ENDING JUNE 30, 1898.

DATE.	FOR WHAT PURPOSE.	DR.	CR.
1897—July	Receipts	$1,940 00	
	Inspectors' Salaries		$200 00
August	Receipts	1,130 00	
	Inspectors' Salaries		200 00
September	Receipts	50 00	
	Inspectors' Salaries		200 00
October	Receipts	630 00	
	Inspectors' Salaries		200 00
November	Receipts	1 090 00	
	Inspectors' Salaries		200 00
December	Receipts	20 00	
	Inspectors' Salaries		200 00
1898—January	Receipts	30 00	
	Inspectors' Salaries		200 00
February	Receipts	20 00	
	Inspectors' Salaries		200 00
March	Receipts	60 00	
	Inspectors' Salaries		200 00
April	Receipts	340 00	
	Inspectors' Salaries		200 00
May	Receipts	20 00	
	Inspectors' Salaries		161 37
June	Receipts	90 00	
	Inspectors' Salaries		200 00
Totals		$5,420 00	$2,361 37

DISINTERMENT REPORT, 1897-98.

REMOVALS FROM	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Calvary Cemetery	129	7	8	10	13	27	2	10	2	14	17	11	8
City Cemetery	566	195	115	11	62	108	2	9	2	12	36	8	6
Laurel Hill Cemetery	32	1	2	3	2	6	3	3	2	3	....	2	5
Masonic Cemetery	27	1	5	4	1	....	2	....	1	1	1	2	9
Mission Dolores Cemetery	12	5	....	....	....	....	....	....	....	3	4	....	....
I. O. O. F. Cemetery	88	2	1	4	8	8	6	6	8	6	14	10	15
U. S. M. Hospital Cemetery	1	....	....	....	....	....	...	1	....	....	...	....	....
Totals	855	211	131	32	86	149	15	29	15	39	72	33	43

DISINTERMENT REPORT, 1897-98.

REMOVALS TO	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Laurel Hill Cemetery	18	....	....	....	....	4	1	1	1	4	5	1	1
Calvary Cemetery	4	1	....	1	....	....	....	1	....	1	....	....	...
Holy Cross Cemetery	137	13	8	6	13	25	2	11	1	16	20	13	9
Cypress Lawn Cemetery	47	1	6	4	7	3	5	2	1	2	7	5	4
I. O. O. F. Cemetery	7	....	....	....	....	1	...	1	2	....	....	2	1
Masonic Cemetery	8	1	...	....	....	2	2	1	1	1	....	....	....
New Salem Cemetery	16	....	2	7	....	....	....	3	....	....	1	...	3
City Cemetery	5	..	....	2	....	....	...	1	....	....	....	....	2
Home of Peace Cemetery	1	..	...	....	....	..	....	1	...	.	....	...	....

DISINTERMENT REPORT, 1897-98—CONCLUDED.

REMOVALS TO	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Mount Olivet Cemetery	2	....	....	....	....	....	....	....	2	....	....	....	....
Oakland	5	1	1	3	....	....	....	....	....	....	....	....	....
California	52	..	1	3	3	5	3	4	5	8	1	7	12
Iowa	1	1	....	....	....	....	....	....	....	....	....	....	....
Washington	2	1	1	....	....	....	....	....	....	....	....	....	....
New Zealand	1	...	....	1	....	....	....	....	....	....	....	....	....
New York	5	....	....	3	....	....	....	....	....	....	1	....	1
Illinois	1	....	....	....	1	....	....	....	....	....	....	....	....
Pennsylvania	2	....	...	....	....	1	....	...	....	1	....	....	....
Massachusetts	2	....	....	....	....	1	....	1	....	....	....	...	....
Ohio	1	....	....	....	....	....	1	....	....	....	....	....	....
Guatemala	1	....	....	....	....	....	....	....	1	....	....	....	....
Honolulu	1	....	....	....	....	....	....	....	....	1	..	....	....
Germany	1	...	....	....	....	...	....	....	....	1	....	....	....
Missouri	2	....	...	....	....	....	....	....	....	1	1	....	....
Maine	1	....	....	....	....	...	...	...	....	....	....	....	1
Montana	1	..	....	....	....	....	....	....	....	....	....	....	1
Nevada	1	....	....	....	....	....	....	....	....	....	....	....	1
Connecticut	1	....	....	....	....	....	....	....	....	....	....	....	1
England	1	....	....	...	....	....	....	....	....	....	....	....	1
Home (ashes)	9	....	....	.	....	....	....	....	....	....	4	3	2
China	519	192	112	2	62	107	1	2	1	3	32	2	3
Totals	855	211	131	32	86	149	15	29	15	39	72	33	43

Respectfully,

A. K. HAPPERSBERGER, M. D.,
J. W. CAMERON,
Disinterment Inspectors.

REPORT OF THE CITY PHYSICIAN.

San Francisco, July 1, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor of presenting the following report of the City Physician for the fiscal year ending June 30th, 1898:

Respectfully,
WM. S. HEREFORD, M. D.,
City Physician.

TABLE NO. I.

INDIGENT SICK TREATED OR VISITED.

MONTHS.	Males	Females	Total	Times Treated or Visited	Permits to City and County Hospital.	Permits to City and County Alms'se.	Died
1897—July	4	2	6	6	.....	.....	.....
August	4	.....	4	4	.....	.....	.....
September	6	3	9	9	3	.....	.....
October	.....	1	1	1	1	.....	.....
November	11	7	18	29	5	1	.....
December	17	8	25	96	3	.....	.....
1898—January	15	15	30	64	3	.....	.....
February	12	11	23	82	3	1	.....
March	19	18	37	61	7	2	2
April	20	14	34	146	4	.....	1
May	17	16	33	141	1	.....	.....
June	7	10	17	43	2	.....	.....
	132	105	237	682	32	4	3

TABLE NO II.

AGES OF INDIGENT SICK VISITED AND TREATED.

AGES.	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Under 1 year	9	....	....	....	....	....	....	....	1	2	2	3	1
From 1 to 5 years	35	2	....	....	....	1	2	5	....	4	10	8	3
From 5 to 10 years	39	....	....	1	....	2	6	9	6	2	5	6	2
From 10 to 20 years	21	....	....	...	....	3	6	3	....	3	2	2	2
From 20 to 30 years	35	1	2	3	....	....	4	3	3	7	3	8	1
From 30 to 40 years	27	..	....	1	....	4	1	5	5	3	4	2	2
From 40 to 50 years	23	1	....	1	1	5	2	1	2	6	1	1	2
From 50 to 60 years	27	....	1	1	..	3	4	2	4	5	3	1	3
From 60 to 70 years	16	2	1	....	....	...	....	2	1	3	4	2	1
From 70 to 80 years	2	....	....	2	....	....	....	....	....	....	....	....	....
From 80 to 90 years	3	....	....	....	....	....	....	....	1	2	....	....	....
Totals	237	6	4	9	1	18	25	30	23	37	34	33	17

TABLE NO. III.

DISEASES FOR WHICH INDIGENT SICK HAVE BEEN TREATED OR VISITED.

Anemia	5
Apoplexy	1
Abortion, accidental	3
Abscess, gluteal	1
Abscess, cheek	1
Abrasion of lip	1
Alcoholism	3
Asthma	2
Aortic insufficiency	2
Bronchitis	16
Burn of finger	1
Burn of leg (carbolic acid)	1
Bubo, right groin	1
Cystitis	5
Congestion of liver	1
Cramps	1
Chicken pox	1
Childbirth	1
Cancer of uterus	1
Cholera morbus	1
Cholera infantum	3
Contusion of ribs (accidental fall)	1
Diphtheria	42
Delirium tremens	1
Dysentery	1
Diarrhea	1
Epilepsy	4
Eczema	2
Gonorrhea	3
General debility	2
Gumboil	1
Heart disease	2
Hemorrhoids	2
Hematuria	1
Hip-joint disease	1
Hernia, inguinal	1
Indigestion	6
Immunized (diphtheritic serum)	14
Imbecile	2
Inanition	1
Leprosy (?)	1
Lumbago	1
La Grippe	6
Laryngitis	1
Measles	4
Malaria	5
Miscarriage and adher. placenta	1
Nervous debility	1
Nervous prostration	1
Nasal catarrh	1
Poison oak	1
Phthisis pulmonalis	3
Pneumonia	6
Paralysis of right arm	2
Paralysis of right side (partial)	1
Pregnancy	2
Pleurisy	1
Rheumatism	10
Rheumatoid arthritis	1
Stomachache	1
Syphilis	12
Scarlatina	2
Scrofula	8
Stillbirth	2
Tonsillitis	17
Typhoid fever	1
Typho-malarial fever	1
Ulcer of leg	2
Varicose veins, right leg	1
Wound of foot (needle)	1
Total	237

TABLE NO. IV.

NATIVITIES OF INDIGENT SICK TREATED OR VISITED.

UNITED STATES.

Arizona	2	Michigan	2
California	111	Mississippi	1
Connecticut	1	Missouri	4
Colorado	1	Nebraska	1
Florida	1	New Hampshire	2
Iowa	1	New York	11
Illinois	3	Ohio	4
Indiana	1	Oregon	1
Kansas	3	Pennsylvania	1
Kentucky	1	Tennessee	1
Louisiana	2	Texas	1
Maine	1	Washington	2
Massachusetts	3		
Minnesota	2	Total	163

FOREIGN.

Austria	1	Germany	12
Australia	1	Holland	1
Canada	1	Ireland	29
China	6	Mexico	7
Denmark	3	Norway	2
England	6	Scotland	3
France	2		
		Total	74

Grand Total 237

TABLE NO. V.

PERSONS TREATED AT COUNTY JAIL NO. 1 (Broadway).

MONTHS.	NUMBER OF CASES.	TIMES TREATED.
1897—July	97	147
August	85	150
September	97	218
October	84	143
November	121	190
December	87	168
1898—January	70	90
February	90	185
March	79	168
April	90	187
May	69	160
June	79	175
Totals	1,048	1,981

TABLE NO. VI.

DISEASES TREATED AT COUNTY JAIL NO. 1 (BROADWAY).

DISEASES.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Abscess	2	....	....	....	....	2	....	....	....	....	....	....	....
Abscess, alveolar	1	....	....	....	....	....	....	....	....	....	....	....	1
Acne	1	....	....	....	....	1	....	....	....	....	....	....	....
Alcoholism	14	....	....	....	....	....	1	2	4	3	1	2	1
Anemia	1	....	....	....	....	....	....	....	....	....	....	1	....
Anorexia	1	....	....	....	....	1	....	....	....	....	....	....	....
Asthma	1	....	....	....	....	....	....	....	....	....	....	....	1
Bronchitis	171	11	14	9	10	23	26	17	24	16	10	3	8
Catarrh, nasal	8	....	....	....	1	3	2	1	....	....	....	1	....
Constipation	251	22	12	34	22	30	15	16	24	18	19	28	11
Cramps	30	....	....	1	3	8	....	5	2	....	6	1	4
Coryza	6	....	....	....	....	....	....	1	1	2	....	....	2
Cystitis	9	2	1	1	....	....	....	....	1	1	2	....	1
Conjunctivitis	7	....	....	....	....	1	2	....	1	....	2	1	....
Debility	3	2	....	....	....	....	....	....	....	....	....	....	1
Diarrhea	53	8	3	4	....	4	5	6	2	2	3	3	13
Eczema	5	....	....	....	....	....	1	1	....	....	1	1	1
Eczema capitis	1	....	....	....	....	....	....	....	....	....	1	....	....
Eczema of hands	2	....	....	....	....	....	....	....	....	1	1	....	....
Epistaxis	1	....	....	....	....	....	....	....	....	....	....	....	1
Fistula in ano	1	1	....	....	....	....	....	....	....	....	....	....	....
Fracture of elbow	1	....	....	....	....	....	....	....	....	....	....	....	1
Furuncle	11	1	2	....	....	2	....	2	1	1	....	1	1
Gonorrhea	37	4	4	6	4	3	1	2	2	4	5	1	1
Hemorrhoids	2	1	....	....	....	....	....	....	....	....	....	....	1

TABLE NO. VI—CONTINUED.

DISEASES.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Hemoptysis	1	....	....	....	....	....	....	....	....	....	....	1	....
Hematuria	2	....	....	....	....	1	....	....	....	....	....	1	....
Heart disease	2	1	....	....	1	....	....	....	....	....	....	....	....
Heart, palpitation of	1	....	....	....	....	....	....	....	....	....	....	....	1
Hernia	3	....	1	....	1	1	....	....	....	....	....	....	....
Indigestion	20	3	3	....	....	....	4	2	3	1	1	1	2
Inflammation of thumb	1	....	....	....	....	....	....	....	....	....	....	....	1
Inflammation of elbow	1	....	....	....	....	....	1	....	....	....	....	....	....
Influenza (la Grippe)	24	....	5	2	7	....	....	....	4	2	4	....	....
Insomnia	12	....	1	2	....	3	3	1	1	1	....	....	....
Itch	14	3	3	2	4	2	....	....	....	....	....	....	....
Kidneys, congestion of	1	....	....	....	....	....	....	....	....	....	....	1	....
Laryngitis	1	....	....	....	....	....	....	....	....	....	....	....	1
Lumbago	11	....	....	....	....	....	....	2	2	1	1	4	1
Lungs, congestion of	2	....	....	....	....	....	....	....	....	1	1	....	....
Malaria	38	6	6	3	2	3	5	....	....	1	4	1	7
Malingery	1	....	....	....	....	....	....	....	....	....	1	....	....
Morphinism	15	1	....	1	1	....	2	....	1	3	4	1	1
Neuralgia	24	3	....	....	3	4	4	3	....	2	3	2	....
Neuralgia, intercostal	1	....	....	....	....	....	....	....	1	....	....	....	....
Neurasthenia	2	....	....	....	....	....	....	....	....	....	1	1	....
Nocturnal emissions	2	....	....	....	....	....	....	....	....	....	....	1	1
Odontalgia	27	3	6	4	3	2	....	....	2	3	2	2	....
Otitis media	7	1	1	2	....	1	....	1	....	....	....	....	1
Painters' colic	1	....	....	....	....	....	....	....	....	....	....	....	1
Paronychia	6	....	....	....	....	....	....	1	1	1	1	1	1

TABLE NO. VI—CONTINUED.

DISEASES.	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Pediculosis	38	6	3	5	7	3	1	1	3	3	3	1	2
Pericarditis	2	....	....	...	....	1	1	....	....	....	....	....	....
Phthisis pulmonalis	9	3	3	....	....	...	....	....	....	1	2	....	....
Pityriasis	1	....	....	....	....	....	....	....	....	1	....	....	....
Pleurisy	1	....	....	....	....	....	1	....	....	....	....	....	....
Prostatitis	2	....	....	....	....	....	....	....	....	....	1	1	...
Retention of urine	4	....	....	....	1	2	....	....	....	1	....	....	....
Rheumatism	33	5	3	4	2	4	1	2	1	2	5	....	4
Ringworm	1	....	....	....	1	....	....	....	....	....	....	....	....
Scabies	1	....	....	....	....	....	....	....	....	....	....	....	1
Sciatica	1	....	....	1	....	....	....	....	....	....	....	....	....
Scorbutus	4	....	....	....	....	4	....	....	....	....	....	....	....
Scrofula	8	....	....	....	....	....	1	1	1	3	2	....	....
Sore knee	1	....	....	1	....	....	....	....	....	....	....	....	....
Sprain	2	....	....	....	2	....	....	....	....	....	....	....	....
Sprain of ankle	1	....	....	1	....	....	....	....	....	....	....	....	....
Sprain of arm	1	....	....	....	....	....	....	....	....	....	....	1	....
Sprain of back	2	....	....	1	....	....	....	....	....	....	....	1	....
Stomatitis	1	....	....	....	....	....	....	....	1	....	....	....	....
Stricture of urethra	1	....	....	....	....	....	1	....	....	....	....	....	....
Stye	2	....	....	....	....	....	1	....	....	1	....	....	....
Syphilis	38	2	7	5	3	6	5	1	2	....	....	3	4
Tonsillitis	6	...	1	....	1	1	....	1	1	1	....	....	....
Ulcer of arm	1	1	....	....	....	....	....	....	....	....	....	....	....
Ulcer of leg	1	....	....	....	....	....	....	....	....	....	1	....	....
Ulcer, gluteal	1	....	....	....	....	....	....	....	....	....	1	....	....

TABLE NO. VI—CONTINUED.

DISEASES.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Ulceration	1			1									
Urticaria	4			2		1				1			
Varicocele	4	1					2				1		
Wound (abrasion)	9		2	3	4								
Wound of ankle (abrasion)	1					1							
Wound of ear (abrasion)	1									1			
Wound of leg (abrasion)	1												
Wound (contused)	1						1						
Wound of hip (contused)	1	1											
Wound of face (contused)	1								1				
Wound of forehead (contused)	1											1	
Wound of shoulder (contused)	1			1									
Wound of spine (contused)	1		1										
Wound of toe (contused)	2							1	1				
Wound of chin (incised)	1											1	
Wound of neck (incised)	1								1				
Wound of scalp (incised)	1				1								
Wound of finger	2		1			1							
Wound of foot	1		1										

TABLE NO. VI—CONTINUED.

DISEASES.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Wound of head	2	1	....	....	....	....	....	....	1	....	....	....	....
Wound of leg	2	2	....	....	....	....	....	....	....	....	....	....	....
Wound of wrist	1	....	....	1	....	....	....	....	....	....	....	....	....
Wound of hand	5	2	1	....	....	2	....	....	....	....	....	....	....
Totals	1048	97	85	97	84	121	87	70	90	79	90	69	79

TABLE NO. VII.

TWENTY-SIXTH STREET HOSPITAL.

SUMMARY.

Patients in Hospital, July 1st 1897	20	
Admitted during fiscal year	7	
Total to be accounted for		27
Discharged, cured	1	
Escaped	3	
Died	3	
		7
Remaining in Hospital, June 30th, 1898		20

TABLE NO. VIII.

DISEASES TREATED AT TWENTY-SIXTH STREET HOSPITAL.

NAME OF DISEASE.	MALE.	FEMALE.
Leprosy	20	2
Hemiplegia (partial)	1	
Paraplegia (partial)	1	
Syphilis	1	1
Typhoid fever	1	
Totals	24	3

TABLE NO. IX.

NATIVITY OF PATIENTS AT TWENTY-SIXTH STREET HOSPITAL.

China	20	Hawaii	3
England	1	Mexico	1
Finland	1		—
Germany	1	Total	27

REPORT OF PUBLIC VACCINATOR.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: Herewith I beg to submit my report of public vaccinations for the fiscal year ending June 30th, 1898.

STATEMENT OF FREE VACCINATIONS.

	Total.....	1897.						1898.					
		July.....	August.....	September....	October.....	November....	December....	January.....	February.....	March.....	April.....	May.....	June.....
Free Vaccinations.....	8541	1636	1530	566	642	1245	385	665	441	426	393	316	696

Respectfully,

E. L. PARAMORE, M. D.,
Public Vaccinator.

REPORT OF POLICE SURGEON.

San Francisco, July, 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: I herewith respectfully submit the annual reports of the City Receiving Hospital and of the Harbor and Park Branch Receiving Hospitals for the fiscal year 1897-1898.

The year just ended has been the first year of activity in the two branch hospitals, and as a result we note a most remarkable increase in the number of persons treated in the Receiving Hospital service. The total number of persons given assistance in all the three hospitals is 9,433. Of these 5,393 were attended at the Main Hospital, 3,583 were attended at the Harbor Branch Hospital, and 457 were attended at the Park Branch Hospital.

As shown by these figures, the Main Receiving Hospital closely approaches the number of persons treated in former years (5,753 in 1896-1897). The increase, therefore, is due to the opening of the two branch hospitals, and especially to the Harbor Branch Hospital, clearly demonstrating the utility and necessity of these institutions.

Both branch hospitals have lately received a complete outfit of instruments and are prepared to meet all demands in the line of emergency service.

The medical staff of each Branch Hospital has been augmented from two to three, through the appointment of a third Assistant Surgeon at the Harbor Hospital and the transfer of one Assistant Surgeon from the Main Hospital to the Park Hospital. The hours of duty have been arranged to correspond at all three Receiving Hospitals, which arrangement permits of the transferring of the As-

sistant Surgeons from one hospital to another without causing any disturbance in the service or interference with the private business of the surgeons.

On April 12th, 1898, the Main Receiving Hospital was relieved of the care of the insane, for whom the Board of Supervisors had provided special quarters adjoining the Receiving Hospital, but under a separate management. The results of this measure have proven most beneficial to both the insane and the patients of the Receiving Hospital.

DISPOSITION OF PATIENTS.

Total number of persons admitted		5,393
Discharged—		
Sent to their homes	1,064	
Sent to City Prison	508	
Sent to City and County Hospital	378	
Sent to City and County Alms House	42	
Sent to State Hospital for Insane	247	
Sent to German Hospital	11	
Sent to French Hospital	13	
Sent to U. S. Marine Hospital	7	
Sent to St. Luke's Hospital	5	
Sent to St. Mary's Hospital	16	
Sent to Children's Hospital	9	
Sent to St. Mark's Hospital	6	
Sent to Waldeck Hospital	2	
Sent to Lane Hospital	1	
Sent to Mt. Joseph's Infant Asylum	4	
Sent to Home for Feeble Minded (Glen Ellen)	1	
Births (stillborn, 3 male)	5	
Died	60	
Brought in dead	12	
Remaining in Hospital June 30th, 1898	2	
Total		5,393
Prescriptions compounded for City Physician		181

Yours most respectfully,

DR. CONRAD WEIL,

Police Surgeon.

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
HEAD.				
A. INJURIES.				
Lacerated wound of scalp	589	41	630	.....
Incised wound of scalp	40	7	47	.....
Hematoma of scalp	11	5	16	.....
Abrasion of scalp	29	9	38	.....
Contusion of scalp	17	14	31	.....
Bullet wound of head	7	1	3	5
Burns of head	5	3	8	.....
Fracture of skull	17	4	17	4
Compound fracture of skull	9	1	4	6
Fracture of base of skull	3	.....	.....	3
Possible fracture of skull	35	1	.....	2
Concussion of brain	4	.....	4	.....
B. DISEASES.				
Mastoid disease	.....	1	1	.....
FACE.				
A. INJURIES.				
Lacerated wound of forehead	160	29	189	.....
Lacerated wound of eyebrow	192	16	208	.....
Lacerated wound of eyelid	53	17	70	.....
Lacerated wound of cornea	4	.....	4	.....
Lacerated wound of ear	37	9	46	.....
Lacerated wound of cheek	68	6	74	.....
Lacerated wound of nose	81	6	87	.....
Lacerated wound of lips	83	7	90	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Lacerated wound of mouth	4	1	5	.....
Lacerated wound of tongue	3	.....	3	.....
Lacerated wounds of chin	47	6	53	.....
Incised wound of forehead	17	3	20	.....
Incised wound of eyelid	3	2	5	.....
Incised wound of eyeball	2	.....	2	.....
Incised wound of nose	5	.....	5	.....
Incised wound of ear	3	1	4	.....
Incised wound of cheek	16	3	19	.....
Incised wound of lips	5	.....	5	.....
Incised wound of chin	2	.....	2	.....
Punctured wound of forehead	2	.....	2	.....
Punctured wound of nose	1	.....	1	.....
Bullet wound of cheek	2	1	3	.....
Bullet wound of ear	1	.....	1	.....
Bullet wound of eye	1	.....	1	.....
Abrasion of forehead	26	3	29	.....
Abrasion of nose	25	3	28	.....
Abrasion of cheek	26	5	31	.....
Abrasion of lips	6	2	8	.....
Abrasion of ear	8	3	11	.....
Abrasion of chin	9	4	13	.....
Contusion of forehead	18	7	25	.....
Contusion of eyelids	51	14	65	.....
Contusion of nose	28	3	31	.....
Contusion of lips	13	5	18	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male.....	Female.....	Discharged....	Died.....
A. INJURIES—Continued.				
Contusion of cheek	32	9	41	.....
Contusion of ear	5	2	7	.....
Contusion of chin	9	4	13	.....
Burns of face	21	4	25	.....
Accidental amputation of ear	2	.....	2	.....
Fracture of nasal bones	26	2	28	.....
Compound fracture of nasal bones	7	1	8	.....
Fracture of inferior maxilla	12	3	15	.....
Fracture of superior maxilla	1	.....	1	.....
Luxation of inferior maxilla	3	1	4	.....
Hemorrhage from ear	9	.....	9	.....
Hemorrhage from gums	3	.....	3	.....
Hematoma of forehead	6	4	10	.....
Hematoma of ear	2	1	3	.....
Epistaxis	29	4	33	.....
Ecchymosis of eye	14	2	16	.....
Foreign body in eye	146	10	156	.....
Foreign body in ear	3	2	5	.....
Foreign body in nose	4	2	6	.....
Man-bite of nose	1	.....	1	.....
Man-bite of ear	2	.....	2	.....
Man-bite of chin	1	.....	1	.....
Dog-bite of forehead	.....	1	1	.....
Dog-bite of cheek	.....	1	1	.....
Dog-bite of nose	1	.....	1	.....
Dog-bite of lip	1	2	3	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES,	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Dog-bite of ear	2	.....	2	.....
Spider-bite of cheek	1	1	2	.....
B. DISEASES.				
Abscess of cheek	2	.....	2	.....
Conjunctivitis	12	2	14	.....
Ulcer of cornea	2	.....	2	.....
Iritis	1	.....	1	.....
NECK AND THROAT.				
A. INJURIES.				
Lacerated wound of neck	4	.....	4	.....
Incised wound of neck	6	1	7	.....
Lacerated wound of throat	2	.....	2	.....
Incised wound of throat	9	3	10	2
Punctured wound of neck	1	.....	1	.....
Abrasion of neck	3	2	5	.....
Contusion of neck	3	2	5	.....
Burns of neck	4	2	6	.....
Burns of throat	3	1	4	.....
Bullet in neck	6	1	7	.....
Foreign body in throat	20	6	26	.....
Sprain of neck	3	.....	3	.....
B. DISEASES.				
Carbuncle of neck	2	.....	2	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
THORAX AND DORSAL REGION.				
A. INJURIES.				
Lacerated wound of thorax	4	1	5	.....
Incised wound of thorax	5	3	8	.....
Punctured wound of thorax	1	.....	1	.....
Lacerated wound of back	4	1	5	.....
Incised wound of back	10	4	14	.....
Punctured wound of back	1	.....	1	.....
Bullet wound of thorax	6	1	5	2
Bullet wound of back	4	.....	3	1
Burns of thorax	3	4	5	2
Burns of back	3	2	5	.....
Abrasion of thorax	2	.....	2	.....
Abrasion of back	3	1	4	.....
Contusion of thorax	29	6	35	.....
Contusion of back	36	5	41	.....
Foreign body in thorax	.....	1	1	.....
Foreign body in back	1	.....	1	.....
Horse-bite of thorax (breast)	1	.....	1	.....
Fracture of ribs	38	2	40	.....
Fracture of dorsal vertebrae	1	.....	1	.....
Luxation of rib	1	.....	1	.....
Sprain of back	7	2	9	.....
Concussion of spine	2	.....	2	.....
B. DISEASES.				
Hemorrhage from lungs	11	.....	10	1
Abscess of back	1	.....	1	.....
Abscess of thorax (breast)	.....	1	1	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
ABDOMEN.				
A. INJURIES.				
Lacerated wound of abdomen	1	.....	1	.....
Incised wound of abdomen	5	.....	5	.....
Punctured wound of abdomen	1	.....	1	.....
Bullet wound of abdomen	4	.....	3	1
Abrasion of abdomen	4	.....	4	.....
Contusion of abdomen	5	1	6	.....
Burns of abdomen	2	1	2	1
Internal injuries	9	2	8	3
Possible internal injuries	23	3	26	.....
B. DISEASES.				
Hernia	17	1	18	.....
Hemorrhoids	2	2	4	.....
Prolapsus recti	2	.....	2	.....
GENITO-URINARY ORGANS.				
A. INJURIES.				
Lacerated wound of scrotum	1	.....	1	.....
Punctured wounds of scrotum	1	.....	1	.....
Burns of scrotum	1	.....	1	.....
Burns of penis	1	.....	1	.....
Contusion of testicle	2	.....	2	.....
Dog-bite of penis	1	.....	1	.....
Prolapsus uteri	.....	1	1	.....
B. DISEASES.				
Endometritis	.....	1	1	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
B. DISEASES—Continued.				
Gonorrhea	2	.....	2	.....
Hematuria	.....	1	1	.....
Hemorrhage of urethra	2	.....	2	.....
Menorrhagia	.....	1	1	.....
Nephritis	1	.....	1	.....
Orchitis	1	.....	1	.....
Retention of urine	17	.....	17	.....
Salpingitis	.....	1	1	.....
Uremia	2	1	.....	3
UPPER EXTREMITY AND AXILLA.				
A. INJURIES.				
Lacerated wound of shoulder	3	.....	3	.....
Lacerated wound of arm	19	6	25	.....
Lacerated wound of wrist	23	8	31	.....
Lacerated wound of hand	98	9	107	.....
Lacerated wound of fingers	297	24	321	.....
Incised wound of shoulder	3	1	4	.....
Incised wound of arm	40	11	51	.....
Incised wound of wrist	29	6	35	.....
Incised wound of hand	71	10	81	.....
Incised wound of fingers	77	13	90	.....
Punctured wound of shoulder	4	.....	4	.....
Punctured wound of arm	2	.....	2	.....
Punctured wound of elbow	2	.....	2	.....
Punctured wound of wrist	2	1	3	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Punctured wound of hand	9	2	11	.....
Punctured wound of fingers	4	3	7	.....
Bullet wound of shoulder	3	.....	3	.....
Bullet wound of arm	6	.....	6	.....
Bullet wound of hand	6	1	7	.....
Bullet wound of fingers	5	.....	5	.....
Burns of shoulder	4	1	5	.....
Burns of arm	18	6	24	.....
Burns of hand	34	2	36	.....
Burns of fingers	37	4	41	.....
Contusion of shoulder	34	7	41	.....
Contusion of arm	25	7	32	.....
Contusion of elbow	12	4	16	.....
Contusion of hand	45	5	50	.....
Contusion of fingers	31	6	37	.....
Abrasion of shoulder	4	2	6	.....
Abrasion of arm	7	2	9	.....
Abrasion of elbow	15	7	22	.....
Abrasion of hand	36	6	42	.....
Abrasion of fingers	21	6	27	.....
Man-bite of arm	3	.....	3	.....
Man-bite of hand	2	.....	2	.....
Man-bite of fingers	10	2	12	.....
Dog-bite of arm	5	3	8	.....
Dog-bite of hand	11	2	13	.....
Dog-bite of fingers	7	.....	7	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Cat-bite of hand	1	.....	1	.....
Cat-bite of fingers	1	.....	1	.....
Horse-bite of arm	1	.....	1	.....
Horse-bite of wrist	1	.....	1	.....
Horse-bite of hand	1	.....	1	.....
Horse-bite of fingers	1	.....	1	.....
Spider-bite of arm	1	.....	1	.....
Foreign body in arm	2	2	4	.....
Foreign body in hand	.....	.....	.....	.....
Foreign body in finger	.....	.....	.....	.....
Hematoma of shoulder	.....	.....	.....	.....
Hematoma of arm	.....	.....	.....	.....
Fracture of scapula	6	1	7	.....
Fracture of scapula (acromion process)	4	.....	4	.....
Fracture of clavicle	19	5	24	.....
Compound fracture of clavicle	1	1	2	.....
Greenstick fracture of clavicle	5	2	7	.....
Luxation of clavicle	2	.....	2	.....
Fracture of neck of humerus	3	1	4	.....
Fracture of shaft of humerus	19	7	26	.....
Compound fracture of humerus	2	.....	2	.....
Compound comminuted fracture of humerus	2	.....	2	.....
Fracture of radius	15	3	18	.....
Fracture of radius (Colles')	13	7	20	.....
Greenstick fracture of radius	4	4	8	.....
Compound fracture of radius	1	.....	1	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Compound comminuted fracture of radius	2	.....	2	.....
Fracture of ulna	6	3	9	.....
Fracture of ulna (olecranon process)	3	1	4	.....
Compound fracture of ulna	2	.....	2	.....
Greenstick fracture of ulna	4	3	7	.....
Fracture of ulna and radius	3	2	5	.....
Fracture of metacarpal bones	25	3	28	.....
Fracture of phalanges	21	3	24	.....
Compound fracture of phalanges	22	1	23	.....
Compound comminuted fracture of phalanges	23	.....	23	.....
Accidental amputation of fingers	24	.....	24	.....
Accidental amputation of tips of fingers	14	.....	14	.....
Luxation of humerus	31	3	34	.....
Luxation of radius and ulna	9	1	10	.....
Luxation of radius	2	.....	2	.....
Luxation of ulna	2	.....	2	.....
Luxation of phalanges	13	.....	13	.....
Subluxation of radius	1	.....	1	.....
Subluxation of phalanges	2	.....	2	.....
Sprain of shoulder	8	1	9	.....
Sprain of elbow	17	4	21	.....
Sprain of wrist	81	13	94	.....
Sprain of hand	19	2	21	.....
Sprain of fingers	23	7	30	.....
B. DISEASES.				
Abscess of axilla	2	1	3	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
B. DISEASES—Continued.				
Abscess of arm	2	1	3	.....
Abscess of hand	1	.....	1	.....
Cellulitis of arm	3	1	4	.....
Cellulitis of finger	3	.....	3	.....
Synovitis of arm (elbow)	3	.....	3	.....
LOWER EXTREMITY AND GROIN.				
A. INJURIES.				
Lacerated wound of hip	5	2	7	.....
Lacerated wound of thigh	6	1	7	.....
Lacerated wound of knee	33	4	37	.....
Lacerated wound of leg	5	.....	5	.....
Lacerated wound of foot	21	2	23	.....
Lacerated wound of toes	13	.....	13	.....
Incised wound of hip	2	.....	2	.....
Incised wound of thigh	3	.....	3	.....
Incised wound of knee	4	1	5	.....
Incised wound of leg	6	2	8	.....
Incised wound of foot	8	1	9	.....
Incised wound of toes	2	.....	2	.....
Punctured wound of thigh	2	.....	2	.....
Punctured wound of knee	1	.....	1	.....
Punctured wound of leg	7	1	8	.....
Punctured wound of foot	11	3	14	.....
Bullet wound of thigh	3	.....	3	.....
Bullet wound of knee	.....	.....	.....	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Bullet wound of leg	8	.....	8	.....
Bullet wound of foot	1	.....	1	.....
Burns of thigh	4	.....	4	.....
Burns of knee	4	5	9	.....
Burns of leg	7	3	10	.....
Burns of foot	5	2	7	.....
Burns of toes	10	2	12	.....
Contusion of hip	29	11	40	.....
Contusion of groin	7	4	11	.....
Contusion of thigh	13	5	18	.....
Contusion of knee	26	2	28	.....
Contusion of leg	38	4	42	.....
Contusion of foot	29	2	31	.....
Contusion of toes	7	.....	7	.....
Abrasion of hip	2	.....	2	.....
Abrasion of thigh	4	.....	4	.....
Abrasion of knee	11	1	12	.....
Abrasion of leg	21	5	26	.....
Abrasion of foot	7	.....	7	.....
Abrasion of toes	3	.....	3	.....
Foreign body in thigh	2	.....	2	.....
Foreign body in leg	2	.....	2	.....
Foreign body in foot	7	1	8	.....
Dog-bite of thigh	8	.....	8	.....
Dog-bite of leg	16	2	18	.....
Dog-bite of foot	1	.....	1	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Monkey-bite of leg	1	.....	1	.....
Hematoma of leg	5	2	7	.....
Hematoma of foot	3	1	4	.....
Fracture of pelvis	3	.....	3	.....
Fracture of neck of femur	4	3	7	.....
Fracture of shaft of femur	6	2	8	.....
Compound fracture of shaft of femur	.....	2	2	.....
Luxation of femur	5	1	6	.....
Fracture of patella	7	.....	7	.....
Fracture of tibia and fibula	5	1	6	.....
Fracture of tibia	34	2	36	.....
Compound fracture of tibia	4	1	5	.....
Compound comminuted fracture of tibia	4	2	6	.....
Greenstick fracture of tibia	1	.....	1	.....
Fracture of fibula	20	1	21	.....
Fracture of fibula (Potts')	6	1	7	.....
Compound fracture of fibula	4	2	6	.....
Compound comminuted fracture of fibula	3	1	4	.....
Greenstick fracture of fibula	2	.....	2	.....
Fracture of astragalus	3	1	4	.....
Fracture of os calcis	3	.....	3	.....
Fracture of metatarsal bones	2	.....	2	.....
Fracture of phalanges	7	.....	7	.....
Compound fracture of phalanges	14	.....	14	.....
Luxation of tibia	1	.....	1	.....
Luxation of fibula	2	.....	2	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	?.....	Female.....	Discharged.....	Died.....
A. INJURIES—Continued.				
Sprain of hip	4	1	5	.....
Sprain of knee	13	1	14	.....
Sprain of ankle	65	9	74	.....
Sprain of foot	12	2	14	.....
B. DISEASES.				
Cellulitis of leg	1	.....	1	.....
Cellulitis of foot	1	.....	1	.....
Tendo-vaginitis of leg	3	.....	3	.....
Synovitis of leg	1	.....	1	.....
Synovitis of knee	2	.....	2	.....
Varicose veins of leg	2	.....	2	.....
Hemorrhage from varicose veins of leg	1	.....	1	.....
Ulcer of leg	4	1	5	.....

MEDICAL DIVISION.

DISEASES.	Male.....	Female.....	Discharged.....	Died.....
A. DISEASES OF CIRCULATORY SYSTEM.				
Angina pectoris	1	.....	1	.....
Syncope	14	8	22	.....
Valvular disease of the heart	22	4	25	1

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
B. DISEASES OF DIGESTIVE SYSTEM.				
Catarrh (intestinal)	1	.....	1	.....
Colic (intestinal)	22	4	27	.....
Constipation	1	.....	1	.....
Diarrhoea	4	1	5	.....
Dysentery	3	.....	3	.....
Gastritis	3	1	4	.....
C. DISEASES OF NERVOUS SYSTEM.				
Apoplexy	6	.....	2	4
Alcoholism	176	49	223	2
Catalepsy	8	.....	8	.....
Cocainism	7	1	8	.....
Epilepsy	96	14	108	2
Hysteria	2	17	19	.....
Delirium tremens	127	16	142	1
Insomnia	3	1	4	.....
Insanity	241	173	413	1
Morphinism	20	6	24	2
Occipital neuralgia	7	2	9	.....
Otalgia	5	2	7	.....
Odontalgia	21	3	24	.....
Paralysis	6	1	7	.....
Sciatica	4	.....	4	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
D. DISEASES OF RESPIRATORY SYSTEM.				
Asthma	13	1	14	.....
Bronchitis	5	1	6	.....
Chronic laryngitis	1	.....	1	.....
Phthisis pulmonalis	15	2	16	1
Pneumonia	6	.....	6	.....
Pleurisy	5	2	7	.....
Pulmonary congestion	1	.....	.....	1
Tonsilitis	6	1	7	.....
E. SKIN DISEASES.				
Dermatitis	3	2	5	.....
Herpes zoster	1	.....	1	.....
Scabies	.....	1	1	.....
F. SEPTIC DISEASES.				
Erysipelas	1	1	2	.....
Tetanus	1	.....	1	.....
Septicemia	1	.....	1	.....
G. ZYMOTIC DISEASES.				
Influenza	1	.....	1	.....
Malarial fever	22	.....	22	.....
Typhoid fever	2	1	3	.....
H. GENERAL DISEASES.				
Ascites	5	.....	5	.....
Diabetes	2	.....	2	.....
Lumbago	4	1	5	.....
Rheumatism	20	4	24	.....
Syphilis	7	1	8	.....

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
MEDICAL EMERGENCIES.				
I. ASPHYXIATIONS.				
Asphyxiation by gas	10	3	13	.....
Asphyxiation by smoke	1	.....	1	.....
J. POISONINGS.				
Poisoned by arsenic	4	.....	4	.....
Poisoned by bromide of potassium	2	.....	2	.....
Poisoned by carbolic acid	.....	19	13	4
Poisoned by corrosive sublimate	.....	2	2	.....
Poisoned by coal oil	1	.....	1	.....
Poisoned by chloroform	1	3	4	.....
Poisoned by chloral hydrate	1	1	2	.....
Poisoned by creosote	2	1	3	.....
Poisoned by iodine	.....	1	1	.....
Poisoned by lysol	.....	1	1	.....
Poisoned by morphine	3	2	5	.....
Poisoned by opium	5	3	7	1
Poisoned by oxalic acid	1	.....	1	.....
Poisoned by rat poison	1	1	1	
Poisoned by strychnine	2	.....	2	.....
Poisoned by oil of pennyroyal	.....	1	1	.....
Poisoned by sulphate of zinc	1	.....	1	.....
Poisoned by lead	2	.....	1	1
Suspected poisoning	8	4	8	4

REPORT OF CASES TREATED AT THE CITY RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
MISCELLANEOUS.				
Births (stillborn, 3 male)	4	1	2	.....
Deserted	.....	2	2	.....
Foundling	1	3	4	.....
Lost	2	2	4	.....
Homeless	.....	4	4	.....
Pregnancy	.....	7	7	.....

Number of surgical cases	5,476
Number of medical cases	1,347
Number of miscellaneous cases	26
Total number of cases	6,849

LIST OF DEATHS IN THE CITY RECEIVING HOSPITAL.

DATE OF ENTRY.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DATE AND TIME OF DEATH
1897—July 2....	George Frost.....	Black Point.....	Fracture of skull.....	1897—July 2—9:10 a. m.
July 6....	Joseph Knauer.....	736 Green street.....	Gunshot wound of abdomen..	July 7—2:45 p. m.
July 19....	H. Dreyer.....	4409 Twenty-fourth street.....	Compound fracture of skull..	July 19—4:05 p. m.
July 22....	Joseph Grant.....	518 Powell street.....	Epilepsy	July 23—8:15 a. m.
July 29....	Ferdinand Barell.....	12 Mason street.....	Uremia	July 31—1:45 a. m..
Aug. 1...	George Powell.....	1314 Kentucky street.....	Heart disease.....	Aug. 1— 9:20 a. m.
Aug. 3...	L. N. Tower.....	1128 Harrison street.....	Apoplexy	Aug. 4— 3:00 a. m.
Aug. 4...	Mrs. Andrews.....	514½ Geary street.....	Uremia	Aug. 4— 6:50 p. m.
Aug. 8...	Frank Higgins.....	Pacific street.....	Morphinism	Aug. 9— 9:15 p. m.
Aug. 16...	John Curran.....	1419 Folsom street.....	Gunshot wounds of arm, chest and temple.....	Aug. 18— 9:55 a. m.
Aug. 16...	John Masterson.....	1419 Folsom street.....	Gunshot wound of temple.....	Aug. 18—12:00 m.
Aug. 31...	P. M. Dixon.....	616 Folsom street.....	Alcoholism	Aug. 31— 2:35 p. m.
Sept. 2...	Yee Lick Chung (Chinese).....	730 Jackson street.....	Gunshot wound of back.....	Sept. 3— 6:00 a. m.
Sept. 3...	Ed. Eves.....	11 Pacific street.....	Insane	Sept. 6— 3:30 p. m.
Sept. 16...	Boylto Domanico.....	326 Francisco street.....	Heat prostration.....	Sept. 16—10:10 a. m.
Sept. 18...	Mrs. Calvert.....	324 Jessie street.....	Burns of entire body.....	Sept. 19— 6:30 a. m.
Sept. 20...	E. K. Noble.....	511 Bryant street.....	Fracture of skull and jaw....	Sept. 20— 3:00 p. m.
Sept. 27...	K. Outch (Jap).....	112 Ellis street.....	Suspected poisoning.....	Sept. 27—10:30 p. m.
Sept. 30...	Daniel Murphy.....	337 Eddy street.....	Fracture of skull.....	Sept. 30— 4:30 p. m.
Oct. 3....	Kittie Burns.....	2 Rose Place.....	Carbolic acid poisoning.....	Oct. 3— 2:00 a. m.

LIST OF DEATHS IN THE CITY RECEIVING HOSPITAL—Continued.

DATE OF ENTRY.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DATE AND TIME OF DEATH.
1897—Oct. 6...	Ed. H. Miller.....	Main and Howard streets.....	Delirium tremens.....	1897—Oct. 7—11:35 a. m.
Oct. 14....	Joseph Glissman.....	274 Minna street.....	Uremia	Oct. 17— 5:00 a. m.
Oct. 15....	John Doe.....	Unknown.....	Compound fracture of skull..	Oct. 20—12:30 a. m.
Oct. 20....	Hermon Frick (boy)...	1010 Buchanan street.....	Compound fracture of skull..	Oct. 20— 5:45 p. m.
Oct. 27....	Joseph Jameson.....	Twenty-fourth and Castro st	Compound fracture of skull..	Oct. 27— 5:30 p. m .
Nov. 1...	Chas. Hayes.....	861 Market street.....	Opium poisoning.....	Nov. 2— 2:50 a. m.
Nov. 13...	John Carroll.....	City Prison.....	Alcoholism	Nov. 13—11:50 a. m.
Nov. 21...	I. M. Blarcom.....	125 Tenth street.....	Apoplexy	Nov. 22— 4:30 a. m.
Dec. 4....	Jas. M. Collins.....	225 Stevenson street.....	Epilepsy	Dec. 5— 4:00 a. m.
Dec. 6....	Jno. W. Sims.....	Third and Stevenson streets..	Gunshot wound of head.....	Dec. 6— 8:10 p. m.
Dec. 18....	Mrs. Alice Clever.....	1055 Howard.....	Carbolic acid poisoning.....	Dec. 18— 1:50 p. m.
Dec. 21....	John Doe (Chinese)....	Unknown.....	Knife wound of throat.....	Dec. 21— 7:30 a. m.
Dec. 24....	Jas. M. O'Rourke.....	Oakland.....	Gunshot wound of thorax....	Dec. 25—11:50 a. m.
Dec. 29....	John Doe (Chinese)....	Unknown.....	Knife wound of neck.....	Dec. 29— 3:20 p. m.
1898—Jan. 3....	Jas. D. Burns.....	128 Eighth street.....	Lead poisoning.....	1898—Jan. 5—11:40 a. m.
Jan. 13....	John Doe (Chinese)....	Unknown.....	Phthisis	Jan. 15—4:00 a. m.
Jan. 16....	Jennie Webster.....	Leavenworth street.....	Suspected poisoning.....	Jan. 16— 8:40 p. m.
Jan. 19....	Hugh Lund.....	88 Ninth street.....	Fracture of base of skull, internal injuries.....	Jan. 19—10:30 a. m.
Jan. 30....	Geo. Slankard.....	South San Francisco.....	Fracture of base of skull.....	Jan. 30—11:05 p. m.
Feb. 6....	Nellie Ryan.....	734½ Howard street.....	Carbolic acid poisoning.....	Feb. 7— 4:20 p. m.

LIST OF DEATHS IN THE CITY RECEIVING HOSPITAL—Continued.

DATE OF ENTRY.	NAME.	RESIDENCE.	CAUSE OF DEATH	DATE AND TIME OF DEATH.
1898—Feb. 23...	J. C. Kimble.....	Los Angeles.....	Compound fracture of skull..	1898—Feb. 24— 7:30 a. m.
Feb. 26....	Mrs. Sloan.....	410 O'Farrell street.....	Fracture of base of skull....	Feb. 27—12:10 a. m.
March 2.	W. H. Vreeland.....	123½ Sixth street.....	Apoplexy	March 3— 1:30 p. m.
March 11.	D. W. Pergrin.....	717 Bush.....	Gunshot wound of left temple	March 18— 8:25 p. m.
March 11.	G. H. Benneth.....	602 Fourteenth street, Oakland	Suspected poisoning.....	March 11—10:45 a. m.
March 21.	B. Furness.....	Unknown.....	Brought in in a dying condition.....	March 21—11:15 p. m. March 24—8:15 a. m.
March 23.	Thomas Conley.....	704 Howard street.....	Internal hemorrhage.....	
March 24.	Adolph Kammer.....	773 Mission street.....	Fracture of skull.....	March 24— 2:50 p. m.
March 26.	A. C. Morgan.....	Market street.....	Morphinism	March 28— 2:50 p. m.
March 28.	John Hohs.....	554½ Natoma street....;..;....	Suspected poisoning.....	March 28 —8:20 p. m.
March 28.	Giovani Minoglia.....	Sixth and Natoma streets....	Pulmonary congestion.....	March 29— 2:30 p. m.
March 29.	David Brannan.....	Twenty-fourth and Harrison s	Rough-on-rat poisoning.....	March 29— 6:45 p. m.
April 4....	Lee Brown.....	16 Ellis street.....	Opium poisoning.....	April 4—2:35 p. m.
April 7....	Cassie Levy.....	Minna, bet. Third and Fourth	Carbolic acid poisoning.....	April 7—7:55 p. m.
May 4....	Mrs. Murphy.....	821 Howard.....	Carbolic acid poisoning.....	May 5—3:05 p. m.
May 14....	M. Gross.....	Seventeenth street.....	Apoplexy	May 14—9:35 p. m.
May 21....	Wm. Anticell.....	216 Post street.....	Possible fracture of skull.....	May 22—3:45 p. m.
May 31....	John Brown.....	37 Clementina.....	Fracture of base of skull.....	June 1—7:30 p. m.
June 8...	John Archie McDonald	Potrero.....	Burns of entire body.....	June 8—9:45 a. m.
June 29...	Thos. Skelly.....	Potrero.....	Compound fracture of skull.	June 29—9:40 a. m.

LIST OF PERSONS BROUGHT IN DEAD.

DATE OF ENTRY.	NAME.	RESIDENCE.	DISPOSITION.	DATE AND TIME OF DEATH.
1897—Aug. 10....	John Mignola.....	1251 Mission street.....	Sent to Morgue.....	1897—Aug. 10—9:00 p. m.
Aug. 27...	Charles Kenney.....	Folsom and Spear streets..	Sent to Morgue.....	Aug. 27—1:45 p. m.
Oct. 17....	O. H. Fimm.....	323 Ellis street.....	Sent to Morgue.....	Oct. 17—3:00 p. m.
Oct. 23....	John Figona.....	629 King street.....	Sent to Morgue.....	Oct. 23—8:05 p. m.
Nov. 3...	Tena Severence.....	969 Mission street.....	Sent to Morgue.....	Nov. 3—1:00 a. m.
Dec. 26....	Mary Castello.....	901 Sacramento street.....	Sent to Morgue.....	Dec. 26—5:30 p. m.
1898—Jan. 24....	Fred. Oberfeldt.....	205 Kearny street.....	Sent to Morgue.....	1898—Jan. 25—8:30 a. m.
Feb. 10....	John Doe.....	Unknown.....	Sent to Morgue.....	Feb. 10.— 6:30 a. m.
Feb. 14....	Capt. Jas. Long.....	326 Eddy.....	Sent to Morgue.....	Feb. 14—11:50 p. m.
March 12.	John Doe.....	Unknown.....	Sent to Morgue.....	March 13—12:15 a. m.
April 22...	Chas. Froid.....	Unknown.....	Sent to Morgue.....	April 22—2:45 p. m.
June 6...	Otto Johnson.....	Sacramento street.....	Sent to Morgue.....	June 6—10:00 p. m.

Number of persons died..... 60

Number of persons brought in dead..... 12

Total 72

CHAS C. BUCHER,

Head Steward.

REPORT OF HARBOR RECEIVING HOSPITAL.

San Francisco, July 1st, 1898.

Dr. Conrad Weil, Police Surgeon—

DEAR SIR: We have the honor to submit to you the following report in full of the work done at the Harbor Receiving Hospital from July 3rd, 1897, to June 30th of this year.

We feel that this is the proper time to thank the Assistant Surgeons who have served here without pay during that period for the material assistance they have given us.

The honorable Board of Harbor Commissioners have endeavored in every way to assist us. Any needed repairs or alterations that we have asked for have been cheerfully made, and too much cannot be said to express the thanks of all connected with this hospital for their extreme kindness and courtesy to us.

Respectfully,

ED. E. HILL, M. D.,
W. B. DEAS, M. D.,
ROLAND E. HARTLEY, M. D.,
Asst. Police Surgeons.

DISPOSITION OF PATIENTS.

Total number of patients treated		3,647
Discharged—		
Sent to their homes	3,233	
Sent to City Prison	167	
Sent to City and County Hospital	93	
Sent to City and County Alms House	1	
Sent to City Receiving Hospital	55	
Sent to Children's Hospital	1	
Sent to French Hospital	8	
Sent to German Hospital	11	
Sent to St. Luke's Hospital	11	
Sent to St. Mary's Hospital	9	
Sent to U. S. Marine Hospital	20	
Died	34	
Brought in dead	3	
Remaining in Hospital June 30, 1898	1	
Total		3,647

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
HEAD.				
A. INJURIES.				
Scalp, wounds of, lacerated	365	5	370	.....
Scalp, wounds of, incised	10	.....	10	.....
Scalp, abrasions of	14	.....	14	.....
Scalp, contusions of	6	.....	6	.....
Scalp, burns of	1	.....	1	.....
Skull, fracture of	8	.....	6	2
Skull, fracture of, compound	1	.....	.....	1
Skull, fracture of base	3	.....	1	2
Skull, gunshot wounds of	4	1	1	4
Brain, concussion of	2	.....	2	.....
FACE.				
A. INJURIES.				
Lacerated wounds of forehead	114	5	119	.....
Lacerated wounds of nose	39	1	40	.....
Lacerated wounds of ear	21	.....	21	.....
Lacerated wounds of cheek	58	1	59	.....
Lacerated wounds of eyelids	35	1	36	.....
Lacerated wounds of lips	44	.....	44	.....
Lacerated wounds of chin	17	.....	17	.....
Incised wounds of forehead	6	.....	6	.....
Incised wounds of nose	2	.....	2	.....
Incised wounds of ear	1	.....	1	.....
Incised wounds of cheek	8	.....	8	.....
Incised wounds of eyelids	3	.....	3	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Incised wounds of lips	3	.....	3	.....
Incised wounds of chin	1	.....	1	.....
Gunshot wounds of eye	1	.....	1	.....
Gunshot wounds of nose	1	.....	1	.....
Gunshot wounds of tongue	1	.....	1	.....
Gunshot wounds of jaw	1	.....	1	.....
Contusions of face	14	.....	14	.....
Contusions of eye	33	2	35	.....
Abrasions of head and face	55	.....	55	.....
Burns of head and face	19	2	21	.....
Fractures of nose	12	.....	12	.....
Fractures of nose, compound	2	.....	2	.....
Fractures of inf. maxilla	6	.....	6	.....
Fractures of inf. maxilla, comminuted	1	.....	1	.....
Fracture of tooth	1	.....	1	.....
Luxation of nasal cartilage	1	.....	1	.....
Foreign bodies in eye	187	1	188	.....
Foreign bodies in nose	1	1	2	.....
Foreign bodies in ear	2	.....	2	.....
Bites, insect, of ear	1	.....	1	.....
Bites, man, of lip	1	.....	1	.....
Frostbite of ear	1	.....	1	.....
B. DISEASES.				
Blepharitis	2	.....	2	.....
Conjunctivitis	10	.....	10	.....
Iritis	1	.....	1	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
B. DISEASES—Continued.				
Epistaxis	13	.....	13	.....
Odontalgia	39	1	40	.....
Otalgia	4	.....	4	.....
Tricophytosis barbae	1	.....	1	.....
NECK AND THROAT.				
A. INJURIES.				
Throat, wounds of, lacerated	3	.....	3	.....
Throat, wounds of, incised	5	.....	5	.....
Neck, wounds of, gunshot	2	.....	2	.....
Neck, contusions of	3	.....	3	.....
Neck, burns of	1	.....	1	.....
Foreign body in throat	3	.....	3	.....
B. DISEASES.				
Tonsilitis	10	.....	10	.....
Tonsilitis, suppurative	1	.....	1	.....
Uvula, elongation of	1	.....	1	.....
THORAX AND DORSAL REGION.				
A. INJURIES.				
Lacerated wounds	1	.....	1	.....
Incised wounds	3	.....	3	.....
Gunshot wounds	1	3	4	.....
Punctured wounds	3	.....	3	.....
Contusions	28	.....	28	.....
Abrasions	1	.....	1	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Foreign bodies under skin	1	.....	1	.....
Fracture of clavicle	5	.....	5	.....
Fracture of clavicle (greenstick)	1	.....	1	.....
Fracture of ribs	26	.....	26	.....
Fracture of dorsal vertebrae	1	.....	1	.....
Luxation of clavicle	3	.....	3	.....
Luxation of costal cartilage	1	.....	1	.....
Concussion of spine	1	.....	1	.....
B. DISEASES.				
Traumatic pleurisy	1	.....	1	.....
ABDOMEN AND LUMBAR REGION.				
A. INJURIES.				
Abdomen, wounds of, incised	2	.....	2	.....
Abdomen, wounds of, gunshot	3	.....	2	1
Abdomen, contusions of	2	.....	2	.....
Abdomen, abrasions of	1	.....	1	.....
Fracture of lumbar vertebrae	1	.....	1	.....
Sprain of lumbar muscles	10	.....	10	.....
Internal injuries	3	.....	3	.....
B. DISEASES.				
Ascites	3	.....	3	.....
GENITO-URINARY ORGANS AND RECTUM.				
A. INJURIES.				
Lacerated wounds	4	.....	3	1

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Foreign bodies in anus	1		1	
Prolapsus recti	3		3	
Retention of urine	21		21	
Urethral hemorrhage	1		1	
B. DISEASES.				
Chancroid	1		1	
Cystitis	1		1	
Epididymitis	1		1	
Fistula in ano	1		1	
Orchitis	1		1	
UPPER EXTREMITY AND AXILLA.				
A. INJURIES.				
Lacerated wounds of shoulder	1		1	
Lacerated wounds of arm	14		14	
Lacerated wounds of wrist	19		19	
Lacerated wounds of hand	64	3	67	
Lacerated wounds of fingers and thumb	367	2	369	
Incised wounds of shoulder	3		3	
Incised wounds of arm	8		8	
Incised wounds of wrist	8		8	
Incised wounds of hand	36		36	
Incised wounds of fingers and thumb	51		51	
Gunshot wounds of shoulder	1		1	
Gunshot wounds of hand	4		4	
Gunshot wounds of fingers and thumb	3		3	

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Punctured wounds of arm	11	.....	11	.....
Punctured wounds of hand	29	.....	29	.....
Punctured wounds of fingers and thumb	7	.....	7	.....
Contusions	116	3	119	.....
Abrasions	111	4	115	.....
Burns	28	.....	28	.....
Burns, acid	1	.....	1	.....
Bites, dog	12	.....	12	.....
Bites, horse	1	.....	1	.....
Bites, fish	1	.....	1	.....
Bites, insect	2	.....	2	.....
Bites, man	4	.....	4	.....
Foreign bodies in arm	3	.....	3	.....
Foreign bodies in hand	26	.....	26	.....
Foreign bodies in fingers	41	.....	41	.....
Fracture of scapula	9	1	10	.....
Fracture of humerus	6	1	7	.....
Fracture of humerus, compound	1	.....	1	.....
Fracture of humerus, comminuted	1	.....	1	.....
Fracture of humerus, compound comminuted	1	.....	1	.....
Fracture of radius	17	.....	17	.....
Fracture of ulna	4	.....	4	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Fracture of radius and ulna	8	.....	8	.....
Fracture of metacarpals	20	.....	20	.....
Fracture of metacarpals, compound	2	.....	2	.....
Fracture of phalanges	14	.....	14	.....
Fracture of phalanges, compound	17	.....	17	.....
Fracture of phalanges, compound comminuted	6	.....	6	.....
Luxation of humerus	31	1	32	.....
Luxation of elbow	7	.....	7	.....
Luxation of elbow, compound	1	.....	1	.....
Luxation of fingers	12	.....	12	.....
Luxation of fingers, compound	2	.....	2	.....
Luxation of thumb	7	.....	7	.....
Luxation of thumb, compound	2	.....	2	.....
Sprain of elbow	7	.....	7	.....
Sprain of wrist	49	3	52	.....
Sprain of finger	6	.....	6	.....
Sprain of thumb	13	1	14	.....
B. DISEASES.				
Abscess, axillary	1	.....	1	.....
Abscess, palmar	1	.....	1	.....
Paronychia	1	.....	1	.....
Phlegmon	6	.....	6	.....
LOWER EXTREMITY AND GROIN.				
Lacerated wounds of hip	1	.....	1	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Lacerated wounds of thigh	4		4	
Lacerated wounds of leg	22		22	
Lacerated wounds of foot	15		15	
Lacerated wounds of toes	10		10	
Incised wounds of groin	1		1	
Incised wounds of thigh	4		4	
Incised wounds of leg	5		5	
Incised wounds of foot	5		5	
Incised wounds of toes	2		2	
Gunshot wounds of hip	1		1	
Gunshot wounds of thigh	2		2	
Gunshot wounds of leg	4		4	
Punctured wounds of foot	24		24	
Punctured wounds of buttock	3		3	
Contusions	87		87	
Abrasions	14		14	
Burns	11		11	
Bites, dog	8		8	
Foreign bodies in leg	1		1	
Foreign bodies in foot	4		4	
Fracture of pelvis	1			1
Fracture of femur	9		9	
Fracture of femur, compound	1		1	
Fracture of patella	2		2	
Fracture of patella, comminuted	1		1	
Fracture of tibia	13	1	14	

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
A. INJURIES—Continued.				
Fracture of tibia, compound	1	.....	1	.....
Fracture of fibula	15	1	16	.....
Fracture of fibula, compound	1	.....	1	.....
Fracture of tibia and fibula	10	.....	10	.....
Fracture of tibia and fibula, compound	1	.....	1	.....
Fracture of tibia and fibula, compound comminuted	4	.....	4	.....
Fracture of tarsus	2	.....	2	.....
Fracture of tarsus, compound comminuted	1	.....	1	.....
Fracture of metatarsus	1	.....	1	.....
Fracture of phalanges	7	.....	7	.....
Fracture of phalanges, compound	5	.....	5	.....
Luxation of femur	1	.....	1	.....
Luxation of semilunar cartilage of knee joint	2	.....	2	.....
Luxation of foot	3	.....	3	.....
Sprain of hip	3	.....	3	.....
Sprain of knee	14	.....	14	.....
Sprain of ankle	56	2	58	.....
Hernia, inguinal	4	.....	4	.....
Hernia, inguinal, strangulated	3	.....	3	.....
Hernia, femoral	1	.....	1	.....
B. DISEASES.				
Talipes	1	.....	1	.....
Varicose ulcer	7	.....	7	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
DISEASES OF SKIN AND MISCELLANEOUS CONDITIONS.				
Furuncle	12	1	13	.....
Lipoma	1	.....	1	.....
Pityriasis	1	.....	1	.....
Secondary hemorrhage from operation	3	.....	3	.....
Urticaria	.....	1	1	.....
Total cases treated in Surgical Division	3,182	49	3,219	12

MEDICAL DISEASES.

DISEASES.	Male	Female	Discharged	Died
A. DISEASES OF RESPIRATORY SYSTEM.				
Asthma	1	.....	1	.....
Bronchitis	3	.....	3	.....
Hemoptysis	3	.....	3	.....
Phthisis pulmonalis	2	.....	2	.....
Pleurisy	2	.....	2	.....
Pneumonia	5	.....	5	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
B. DISEASES OF CIRCULATORY SYSTEM.				
Angina pectoris	1	.....	1	.....
Apoplexy	1	.....	1	.....
Cerebral anemia	2	.....	2	.....
Syncope	20	.....	20	.....
Tachycardia	1	.....	1	.....
Valvular disease of heart	5	.....	5	.....
C. DISEASES OF NERVOUS SYSTEM.				
Alcoholism	88	.....	88	.....
Convulsions	.....	1	1	.....
Epilepsy	59	1	58	2
Hemiplegia	2	.....	2	.....
Hysteria	1	7	8	.....
Insanity	4	.....	4	.....
Insomnia	5	.....	5	.....
Meningitis, spinal	.....	1	1	.....
Morphinism	4	.....	3	1
Neuralgia	3	.....	3	.....
Paralysis	5	.....	5	.....
Paresis	1	.....	1	.....
Singultus	1	.....	1	.....
D. DISEASES OF EXCRETORY AND GENERATIVE SYSTEM.				
Renal colic	1	.....	1	.....
Dysmenorrhea	.....	1	1	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
E. DISEASES OF DIGESTIVE SYSTEM.				
Constipation	6	.....	6	.....
Colic, intestinal	39	.....	39	.....
Diarrhea	2	.....	2	.....
Dysentery	2	.....	2	.....
Enteritis	6	.....	6	.....
Gastritis	4	.....	4	.....
F. GENERAL DISEASES.				
Lumbago	2	.....	2	.....
Malaria	3	.....	3	.....
Rheumatism, chronic	2	.....	2	.....
Rheumatism, acute articular	2	.....	2	.....
Syphilis	3	.....	3	.....
G. ZYMOTIC DISEASES.				
Fever—(No further diagnosis)	19	.....	19	.....
Typhoid fever	1	.....	1	.....
Measles	1	.....	1	.....
EMERGENCIES, POISONINGS, ETC.				
Asphyxiation by gas	6	.....	6	.....
Asphyxiation by charcoal fumes	1	.....	1	.....
Submersion	43	3	46	.....
Poisoning by carbolic acid	2	2	3	1
Poisoning by chloral and potassium bromide	1	.....	1	.....
Poisoning by chloral and zinc sulphate	1	.....	1	.....

REPORT OF CASES TREATED AT THE HARBOR RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
EMERGENCIES, POISONINGS, ETC.—Continued.				
Poisoning by chloroform	1	.....	1	.....
Poisoning by cocaine	2	.....	2	.....
Poisoning by iodoform	1	.....	1	.....
Poisoning by mercuric oxide	1	.....	1	.....
Poisoning by opium and derivatives	12	1	9	4
Poisoning by cebadilla	1	.....	.....	1
Poisoning by strychnine	1	.....	1	.....
MISCELLANEOUS.				
General debility	3	.....	3	.....
Pregnancy	.....	2	2	.....
Total cases treated in Medical Division	388	19	398	9

RECAPITULATION.

DISEASES.	Male	Female	Discharged	Died
Refused examination	2	.....	2	.....
Brought in dead or moribund	11	1	.....	12
Total cases treated in Medical Division	388	19	398	9
Total cases treated in Surgical Division	3,182	49	3,219	12
Total cases treated in Hospital	3,583	69	3,619	33

LIST OF DEATHS IN THE HARBOR RECEIVING HOSPITAL.

DATE OF ENTRY.	TIME.	NAME.	RESIDENCE.	BROUGHT FROM.	CAUSE.
1897—July 5...	9:00 a. m.	James Graham.....	Lombard street.....	Steuart and Folsom sts...	Epilepsy.
July 16....	1:00 a. m.	Michael Dunn.....	Townsend street.....	Steamer Doric.....	Fracture of skull.
July 17....	5:30 p. m.	Chas. Emerson.....	629 Clay street.....	Same place.....	Cebadilla poisoning.
July 23....	6:30 a. m.	Geo. T. Brown.....	903½ Valencia street.....	Dupont street.....	Brought in dead.
July 28....	5:20 p. m.	Edw. Olsen.....	Vallejo and Mason.....	Steamer Tiburon.....	Internal injuries.
Aug. 3....	8:00 p. m	T. B. Ferguson.....	Unknown.....	Powell street.....	Gunshot wound in head.
Sept. 24...	9:00 a. m.	John Doe Crowley.....	Unknown.....	California Street Station..	Brought in dead.
Oct. 16....	8:10 a. m	G. D. Garthorne.....	Oakland.....	228 Front street.....	Gunshot wound in head.
Nov. 3....	12:15 p. m.	Edward O'Brien.....	Unknown.....	Howard Wharf No. 1.....	Brought in dead.
Nov. 15....	6:15 a. m.	James Fanning.....	Unknown.....	Kearny street.....	Stab wound in neck.
Nov. 18...	9:40 p. m.	John Godsel.....	Unknown.....	Sacramento street.....	Morphine poisoning.
Nov. 20....	10:25 a. m.	John Doe.....	Unknown.....	533 Sacramento street.....	Morphine poisoning.
Nov. 29....	10:00 a. m.	D. E. Young.....	95 Steuart street.....	Pier Saloon.....	Brought in dead.
Dec. 9....	11:55 a. m..	John Doe.....	Unknown.....	856 Howard street.....	Morphine poisoning.
Dec. 25....	3:00 a. m.	John Doe.....	Unknown.....	Harbor Police Station.....	Brought in dead.
Dec. 28....	8:55 a. m	M. Torre.....	215 Broadway.....	Same place.....	Fracture of skull.
Dec. 31....	9:00 p. m.	Rosa Conneff.....	Unknown.....	Jackson and Kearny.....	Brought in dead.

LIST OF DEATHS IN THE HARBOR RECEIVING HOSPITAL—CONCLUDED.

DATE OF ENTRY.	TIME.	NAME.	RESIDENCE.	BROUGHT FROM.	CAUSE.
1898—Jan. 10....	9:00 a. m.	Edw. E. Low.....	Steamer Alex Duncan.....	Same place.....	Epilepsy.
Jan. 10....	7:30 p. m	Mary Duffy.....	321½ Broadway.....	Same place.....	Carbolic acid poisoning.
Jan. 26....	6:30 p. m	Robert Johnson.....	Kearny and California sts..	Same place.....	Gunshot wounds.
Feb. 2....	9:00 p. m	Captain John Lee.....	3426 Twenty-second st.....	Alpha House.....	Morphine poisoning.
Feb. 2....	7:30 p. m	Wm. Britton.....	Unknown.....	California Street Station..	Brought in dead.
Feb. 12....	12:00 m....	Nellie Anderson.....	17B Hinckley alley.....	Same place.....	Carbolic acid poisoning.
Feb. 14....	7:30 a. m	Fannie (Chinawoman).	614 Pacific street.....	Same place.....	Brought in dead.
Feb. 22.....	12:00 m...	John Doe Shubert.....	Unknown.....	28 Sacramento street.....	Cyanide of potassium.
Feb. 28.....	12:20 p. m	J. P. Gouth.....	Sixth and Harrison.....	Arizona Warehouse.....	Fracture of skull.
March 28..	5:55 p. m	John Doe (Chinaman).	Dupont and Washington....	Dupont and Washington..	Brought in dead.
April 4....	5:35 p. m	Mary Antippa.....	80 Jessie street.....	Same place.....	Gunshot wound in head.
April 13...	8:45 a. m	John Doe.....	Unknown.....	Kearny and Pacific.....	Brought in dead.
May 14.....	1:35 p. m	John Gibbons.....	261 First street.....	Pacific Mail Dock.....	Brought in dead.
May 31.....	2:00 p. m	E. Hayden.....	411 Fourth street.....	Third and Kearny sts.....	Internal injuries.
June 3....	5:00 p. m	Gus Forstman.....	Schooner Louise.....	Third and Berry sts.....	Fracture of skull.
June 15....	9:15 a. m	John Doe.....	Unknown.....	Mission Wharf No. 1.....	Submersion.
June 18....	1:30 p. m	Henry Magini.....	Unknown.....	Ferry Depot.....	Brought in dead.

Thirty-four (34) deaths for the fiscal year ending June 30, 1898.

REPORT OF PARK RECEIVING HOSPITAL.

San Francisco, July 1st, 1898.

Dr. Conrad Weil, Police Surgeon—

SIR: We herewith submit the annual report of the Park Receiving Hospital for the fiscal year ending June 30th,

Very respectfully,

J. T. STAFFORD, M. D.,
W. W. WYMORE, M. D.,
Assistant Police Surgeons.

DISPOSITION OF PATIENTS.

Discharged	384	
Sent to City and County Hospital	12	
Sent to City Receiving Hospital	7	
Sent to French Hospital	10	
Sent to German Hospital	1	
Sent to Marine Hospital	4	
Sent to St. Mary's Hospital	3	
Sent to St. Luke's Hospital	3	
Sent to Children's Hospital	1	
Sent to Lane Hospital	1	
Sent to Field Hospital, Camp Merritt	23	
Sent to Alms House	2	
Sent to City Prison	1	
Sent to Morgue	5	
Total number of cases treated		457

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
HEAD.				
Lacerated wounds of scalp	14	1	14	1
Incised wounds of scalp	2	.....	2	.....
Contused wounds of scalp	4	1	5	.....
Abrased wounds of scalp	5	.....	5	.....
Infected wounds of scalp	1	.....	1	.....
Fracture of skull	1	.....	1	.....
Compound depressed fracture of skull	1	.....	.....	1
Concussion of brain	4	.....	4	.....
Sebaceous cyst of scalp	.....	1	1	.....
FACE.				
Lacerated wound of ear	3	.....	3	.....
Lacerated wound of chin	.....	1	1	.....
Lacerated wound of nose	7	.....	7	.....
Lacerated wound of forehead	7	1	8	.....
Lacerated wound of lip	4	.....	4	.....
Lacerated wound of eyelid	4	.....	4	.....
Incised wound of cheek	1	.....	1	.....
Incised wound of forehead	3	1	4	.....
Incised wound of lip	1	1	2	.....
Incised wound of temple	1	.....	1	.....
Contusion of mouth	4	1	5	.....
Contusion of cheek	6	.....	6	.....
Contusion of eyelid	5	.....	5	.....
Contusion of nose	3	.....	3	.....
Contusion of ear	2	.....	2	.....

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
FACE—Continued.				
Contusion of temple	3	.....	3	.....
Abrasion of forehead	10	2	12	.....
Abrasion of mouth	5	.....	5	.....
Abrasion of nose	6	1	7	.....
Abrasion of cheek	5	1	6	.....
Abrasion of chin	1	.....	1	.....
Burns	2	.....	2	.....
Foreign body in eye	8	.....	8	.....
Fracture of nasal bone	2	.....	2	.....
Dislocation of nasal bone	.....	1	1	.....
Insect bite of eyelid	2	.....	2	.....
Insect bite of forehead	1	1	2	.....
UPPER EXTREMITY AND AXILLA.				
Lacerated wound of hand	13	.....	13	.....
Lacerated wound of forearm	2	2	4	.....
Lacerated wound of finger	9	.....	9	.....
Incised wound of hand	9	1	10	.....
Incised wound of finger	5	1	6	.....
Incised wound of forearm	1	.....	1	.....
Abrased wound of hand	52	1	53	.....
Abrased wound of forearm	1	.....	1	.....
Abrased wound of finger	1	.....	1	.....
Infected wound of forearm	2	.....	2	.....
Infected wound of hand	10	.....	10	.....
Infected wound of finger	4	.....	4	.....
Fracture of clavicle	5	.....	5	.....
Fracture of scapula (coracoid process)	2	.....	2	.....

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
UPPER EXTREMITY AND AXILLA—Continued.				
Fracture of ulna	1		1	
Fracture of radius	1		1	
Fracture of humerus		1	1	
Dislocation of humerus	2		2	
Sprain of wrist	9		9	
Sprain of thumb	2		2	
Burns of hand	7	5	12	
Burns of forearm		2	2	
Foreign body in hand	3		3	
Dog bite of hand	3		3	
Insect bite of hand		1	1	
Felon, index finger		1	1	
Felon, thumb	1		1	
LOWER EXTREMITY AND GROIN.				
Lacerated wound of thigh	1		1	
Lacerated wound of leg	1		1	
Incised wound of leg	1		1	
Incised wound of foot	3		3	
Contused wound of thigh	4		4	
Contused wound of knee	8	1	9	
Contused wound of hip	2		2	
Contused wound of foot	4		4	
Contused wound of leg	5		5	
Contused wound of ankle	3		3	
Abrased wound of thigh	6		6	
Abrased wound of knee	12		12	
Abrased wound of leg	4		4	

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

SURGICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
LOWER EXTREMITY AND GROIN—Continued.				
Fracture of tibia	3	1	4	.....
Fracture of fibula	3	1	4	.....
Fracture of femur	1	.....	1	.....
Fracture of patella	1	.....	1	.....
Compound fracture of tibia	3	.....	2	1
Compound fracture of fibula	3	.....	2	1
Compound fracture of femur	1	.....	.....	
Burns of legs	.....	2	2	.....
Burns of thigh	.....	2	2	.....
Sprain of ankle	5	2	7	.....
Sprain of knee	.....	1	1	.....
Dog bite of leg	3	1	4	.....
Infected wound of ankle	1	.....	1	.....
Hernia, right inguinal	1	.....	1	.....
ABDOMEN.				
Internal injuries	4	.....	2	2
Contusion of abdomen	1	.....	1	.....
Laceration of abdominal wall	1	.....	.....	1
THORAX AND DORSAL REGION.				
Gunshot wounds	2	.....	2	.....
Fracture of ribs	3	.....	3	.....
Concussion of spine	1	2	3	.....
Contusion of back	4	.....	4	.....

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
DISEASES OF THE CIRCULATORY SYSTEM.				
Angina pectoris	1	.....	1	.....
Epistaxis	1	2	2	.....
Syncope	5	5	10	.....
Palpitation of heart	1	.....	1	.....
Aortic regurgitation	1	.....	1	.....
DISEASES OF THE RESPIRATORY SYSTEM.				
Tonsilitis	1	.....	1	.....
Bronchitis	5	.....	5	.....
Pleurisy	1	.....	1	.....
Pneumonia	11	.....	11	.....
Pulmonary hemorrhage	.....	1	1	.....
Pulmonary tuberculosis	1	.....	1	.....
DISEASES OF THE NERVOUS SYSTEM.				
Apoplexy, cerebral	2	.....	2	.....
Insanity	2	2	4	.....
Migraine	.....	2	2	.....
Neuralgia	1	.....	1	.....
Otalgia	.....	1	1	.....
Odontalgia	12	.....	12	.....
Vertigo	1	.....	1	.....
Epilepsy	3	1	4	.....
Hysteria	.....	2	2	.....
Neuritis, general	1	.....	1	.....
DISEASES OF THE DIGESTIVE SYSTEM.				
Dysentery	1	.....	1	.....
Diarrhoea, chronic	1	.....	1	.....

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
DISEASES OF DIGESTIVE SYSTEM —Continued.				
Gastritis	6	2	8	.....
Colic, intestinal	1	.....	1	.....
Liver, acute congestion of	.....	1	1	.....
Stomatitis	2	.....	2	.....
DISEASES OF THE GENITO-URINARY SYSTEM.				
Ovaritis	.....	1	1	.....
Orchitis, chronic	1	.....	1	.....
Placenta previa	.....	1	1	.....
Vulvitis	.....	1	1	.....
Nephritis, chronic	.....	1	1	.....
ZYMOTIC DISEASES.				
Typhoid fever	1	.....	1	.....
Malaria	2	1	3	.....
Measles	24	.....	24	.....
GENERAL DISEASES.				
Rheumatism, articular	1	.....	1	.....
Syphilis	1	.....	1	.....
Septicemia	1	.....	1	.....
EMERGENCIES.				
POISONINGS, ETC.				
Arsenical poisoning	1	.....	1	.....
Alcohol poisoning	1	1	2	.....
Chloral poisoning	1	.....	1	.....
Carbolic acid poisoning	1	.....	1	.....

REPORT OF CASES TREATED AT THE PARK RECEIVING HOSPITAL.

MEDICAL DIVISION.

DISEASES.	Male	Female	Discharged	Died
POISONINGS, ETC.—Continued.				
Morphine poisoning	2	.....	2	.....
Ptomaine poisoning	1	.....	1	.....
Rhus poisoning	1	1	2	.....
Strychnine poisoning	.....	2	2	.....
Electric shock	2	.....	2	.....
Submersion	1	.....	1	.....

TOTAL NUMBER OF CASES TREATED.

Medical	130
Surgical	399
Total	529

LIST OF DEATHS IN PARK RECEIVING HOSPITAL FROM JULY 1, 1897, TO JUNE 30, 1898.

DATE OF ENTRY.	NAME.	RESIDENCE.	CAUSE OF DEATH.	DATE AND TIME OF DEATH.
May 3, 1898	Patrick Kerrigan	107 Boyce street	Compound fracture of right femur and both legs. Internal injuries.	May 3, 1 P. M.

LIST OF PERSONS BROUGHT IN DEAD FROM JULY 1, 1897, TO JUNE 30, 1898.

DATE OF ENTRY.	NAME.	RESIDENCE.	DISPOSITION.	TIME.
Aug. 12, 1897	"Doc" Ehlers	Ingleside	Sent to Morgue	1:40 P. M.
Sept. 1, 1897	Henry Windell	Bush street	Sent to Morgue	3:45 P. M.
Oct. 7, 1897	Joseph Kinne	Perry street	Sent to Morgue	3:45 P. M.
Jan. 25, 1898	Michael O'Brien	.....	Sent to Morgue	1:120 A. M.

REPORT OF CITY AND COUNTY HOSPITAL.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

Gentlemen: I have the honor to present herewith, for your consideration, the Forty-fifth Annual Report of the City and County Hospital, for the fiscal year 1897-98.

The following summary has been compiled from several statements enclosed herewith, and which form a part of this report:

SUMMARY.

Patients in Hospital July 1st, 1897		378
Examined for admission during fiscal year	4,440	
Rejected	538	
Admitted		3,902
Born (not including 10 stillborn)		121
Total to be accounted for		4,401
Patients discharged cured	1,501	
Improved	584	
Unimproved	47	
Own request	778	
Refused treatment	28	
Removed by relatives or friends	176	
Insubordination	52	
Referred to Insanity Commissioners	17	
Sent to Almshouse	152	
Sent to Pesthouse	1	
Referred to Mayor	5	
Ran away	112	
Attempt to commit theft	1	
Died during the year	564	
Patients remaining June 30th, 1898	383	
Total accounted for		4,401

Least number of patients during the year (Sept. 6th, 1897).....	319
Greatest number of patients during the year (Feb. 15th, 1898)..	420
Total number of days' treatment.....	137,877
Daily average of patients.....	377.92
Daily average of officers and employees.....	121.87
Percentage of deaths to results.....	14.00
Percentage of deaths to total number treated.....	12.82
Average time under treatment (days).....	31.33
Cost of subsistence per person per diem.....	$0.1763
Cost of subsistence per patient per diem.....	0.2330
Total expenses per patient, per diem.....	0.6668
Total amount expended during the fiscal year.....	$91,390.43
Drugs and provisions furnished Smallpox Hospital.....	2,153.08
Drugs furnished Magdalen Asylum.....	92.95
Actual outlay for current expenses.....	89,144.40
Amount of appropriation for Hospital purposes.....	82,000.00
Amount of appropriation for "special repairs".....	2,500.00
Deficiency met by special appropriation by the Board of Supervisors	6,890.43

The duties of Superintendent Physician were assumed by me November 1st, 1898, after the resignation of Dr. S. P. Tuggle, who for a brief period succeeded Dr. J. M. Williamson in the administration of the affairs of this Hospital.

The Annual Report for the fiscal year 1896-97, by the last named gentleman, gives in detail the difficulties of the situation during his term of office, and ably shows the disgraceful state of the Hospital buildings, and mismanagement existing at the time he took matters in hand.

It is, therefore, unnecessary for me to go over that ground, especially since there was no large repair fund appropriated during the past year, to tempt the cupidity of rapacious contractors, "et als."

I have, therefore, been fortunate in not having had the disagreeable task of discovering similar acts of fraud and dishonesty in addition to other exacting duties.

Previous reports to your honorable body, regarding the unsanitary, dilapidated, and all-round disgraceful condition of the Hospital buildings have been elaborate in detail and graphic in description.

I do not think it possible to describe these conditions

more clearly, except to say that what was outrageously bad when your last report was received, is worse now.

The recent action of the Mayor and Board of Supervisors with regard to the building of a new and modern Hospital for the City and County of San Francisco, shows that the earnest efforts of your honorable body in the interest of humanity, have not been in vain, and it is to be hoped that all public-spirited citizens will aid you in urging upon the present honorable Board of Supervisors, and their successors, the necessity for speedy action in the premises, so that the least possible delay may be had in the erection and completion for occupancy of a great charity hospital for this city and county, worthy of a cultured, enlightened, and wealthy community.

Passing at present from considerations of the necessity for a new Hospital, and especially from the nauseating condition of the present buildings, I beg briefly to ask your attention to matters affecting the administration of the affairs of the institution, and the work accomplished in its different departments.

A few suggestions may also be ventured, which seem to me to be in the interest of good policy.

In the monthly reports rendered for the past eight months, matters of immediate interest were offered for consideration, together with minor details, as noted in journal.

These events I will not attempt to review, being on record for reference and information.

In the administration of your institution, it has been my endeavor to carry out, as far as lay in my power, the two chief objects of a charity hospital: First, the humane care and skillful medical treatment of the indigent sick; and second, the advancement of the science and art of medicine.

It has also been my endeavor to economize the expenditures of the Hospital appropriation, consistent with these objects.

The difficulties in the way of accomplishment of these ends are many. They have been the despair of all past ad-

ministrations, and are likely to continue to a more or less extent in the future, unless a more enlightened system of laws, State and municipal, are passed to govern this charity.

In regard to this subject, I would refer to the succinct and authoritative observations made in the Superintendent Physician's report of 1896-97.

My experience corroborates that statement in all particulars, for no one can properly conduct the affairs of so large an institution without full and unquestioned power in the premises.

One of my earliest experiences upon assuming office was the antagonistic attitude of a certain number of the medical staff, and almost every other officer and employee, to the ordinary rules requiring discipline and attention to duty. The Hospital was regarded as a huge joke, to be used only for personal privileges or political purposes.

Its reputation in the past had something to do with this, in which the public joined, but aside from that, it is hard to understand why the care of the indigent sick should be a theme for joking or that these patients should suffer from neglect or indifferent treatment.

It is one of the highest attributes of civilization to afford systemized care, humane and skillful medical treatment to the sick poor, and under proper conduct, such a great charity as this, should compel the respect of all thinking people and elicit their generous financial support.

I think I can truthfully state that this Hospital is the only place in this great city where patients are treated without having to pay a cent. There are not more than fifty free beds altogether in San Francisco for those unable to pay, outside this Hospital.

With a view, therefore, of conducting this institution for Hospital purposes, it has been my endeavor to see that the supply of articles of subsistence was of the best quality.

I believe that good nourishing food is particularly necessary and very essential for this class of patients. Com-

fortable beds, warmth and cleanliness are equally important.

The bedding up to January last was worn out and threadbare. In response to an appeal to your honorable board, I am glad to state that the honorable Board of Supervisors responded promptly to the urgent necessity of the occasion, and relieved much suffering by supplying in part, the need for blankets, comporters, and spreads.

The supply of steam for warmth, hot water, and laundry purposes, has for years been inadequate, but during the month of February, the old steam boiler, which had been in use for years, exploded, as had often been predicted. In its stead a new one was placed in position last March, which supplies all requirements.

The supply of illuminating gas up to the early part of 1898, was insufficient and poor; but, without cost to the city and county, an additional gas main, discovered running through the Hospital grounds, was, by permission of the proper authority, tapped, and old gas pipe on hand fitted, so that sufficient pressure and flow was obtained to give good light throughout the Hospital.

The General Operating Room, which for years has fallen short of common requirements, has been improved in two ways. Formerly the gaslight was so poor that when a surgical operation became necessary at night, light had to be obtained from three or four coal oil lanterns, held by attendants. On May 22d a drop-light chandelier, holding four Welsbach burners, was hung in position, which gives satisfactory illumination for such purposes.

A new and large steam sterilizer has been added. Heretofore, there was no way to properly heat this room for surgical purposes. Two steam radiators were put in, which now fulfill that requirement.

The improvement of the grounds, begun by my predecessor, has been followed up. Through the courtesy of Sheriff Whelan, convicts were detailed to cut down a number of trees, and top others that obstructed air and sunshine from

the wards. The trees were cut into cordwood, which was a saving of considerable coal. The flowers have been carefully cultivated and another large plat added. This feature is of much benefit to the patients, and helps to divert attention from the cheerless and somber aspect of the buildings.

It is deplorable that, for lack of means, many repairs and a few requisite improvements could not be made.

Looking to the necessity of immediate improvements. I ask your attention to the need of a ward for the isolation of infectious and contagious diseases, especially of children.

Another matter that should be acted upon as soon as possible, refers to the wards of this Hospital. It is almost criminal to admit patients to them, saturated as they are by the emanations of disease for the past twenty-five years. This deleterious influence extends also to the medical staff and nurses, several of whom have contracted pulmonary diseases and typhoid fever from this cause.

In view, therefore, of the probable delay in the completion of the new Hospital, I would respectfully recommend that a system of disinfection be instituted for the interior of all wards, closing for a week at a time of two wards, and thoroughly as possible purifying them by means of formalin, or formaldyhyde vapor, or by such other means as may seem most efficient by your honorable board and under inspection of your Health Department. The wards could then be calsomined at but little expense by employees of the Hospital.

By reference to Summary Table, placed at the beginning of this report, it will be noticed that the daily average of patients is larger than for several years.

These figures, however, do not fully account for all the patients supplied with subsistence, medicines, surgical dressings, etc., by the Hospital.

It is generally overlooked, or forgotten by the authorities, that about thirty inmates of the Twenty-sixth Street Hospital, or Pesthouse, are furnished with subsistence, medical and surgical supplies, whiskey, etc., from requisitions drawn

on this Hospital and paid for out of its annual appropriations.

The Magdalen Asylum is also supplied by this Hospital with medicines, etc., as required. These two institutions cost quite a good sum.

With respect to the Twenty-sixth Street Hospital, I would suggest that it might be good policy to recommend that the honorable Board of Supervisors grant that institution a separate and distinct appropriation. The Steward's report on this point is referred to.

The inmates of the Pesthouse, together with the average of one hundred and seventy-two outclinic patients treated here might, I think, be fairly counted in the total number of patients to be accounted for in the estimate for a yearly appropriation.

It will be noticed that the Hospital statistics are unusually full and complete; this is especially so in regard to the "Classification of Diseases" and "Causes of Death," as instituted by your honorable board.

This is a marked improvement, and an educational advance over older methods.

A further study of these statistics will show that this Hospital affords one of the largest and most varied fields for the clinical study of diseases in this country. It offers an unsurpassed opportunity for the earnest student to equip himself by practical experience, under the direction of learned instructors, for the successful practice of his profession, and I am one who believes that only those who appreciate these splendid advantages should be allowed the privileges of being an interne to this Hospital. The diploma issued by your honorable body to house physicians and surgeons should be an assurance of the highest of post-graduate honors, and be esteemed as such everywhere.

The San Francisco Training School for nurses of the City and County Hospital continues to be of service, and is be-

coming more thorough in its system of instruction and training.

Looking to a more complete system of training, I offer the suggestion that the term of service be extended to three years.

It certainly takes two years of training for efficiency, and the third should be given for the benefit of the Hospital.

I ask also your attention to the fact that application has been made by graduate nurses from other hospitals for a course of training in this Hospital. This suggests the advisability of the establishment of a past graduate course for nurses. A four months' training course would probably be enough, for which privilege a fee might be charged, sufficient to pay for board and graduation expenses.

The money so collected could be used for augmenting the education facilities of the school.

In conclusion, let me say that, while my entire time has been devoted to this Hospital, I have not been able, in eight months, to establish perfect discipline, or work moral regeneration in an institution which has been known principally in the past by its irregularities.

A crusade of education, firmness of purpose, and constant vigilance have been the methods used to attain a better state of affairs, and I am pleased to state that some little advance has been made in that direction.

Respectfully submitted,

G. E. SUSSDORFF, M. D.,
Superintendent Physician.

YEARLY SUMMARY

SHOWING NUMBER OF PATIENTS ADMITTED, NUMBER BORN, NUMBER DISCHARGED, NUMBER DIED AND DAILY AVERAGE FOR 26 YEARS.

YEAR.	Number remaining on 1st of year	Number admitted during the year	Number born during the year	Total number treated during the year	Number discharged during the year	Number died during the year	Average daily for year
1872-73	244	2863	25	3132	2569	260	331.1
1873-74	303	3231	32	3566	2954	275	367.3
1874-75	337	3921	40	4298	3565	351	387.2
1875-76	382	3376	67	3825	3083	347	374.5
1876-77	295	3012	73	3380	2723	355	360.2
1877-78	368	3007	60	3435	2671	379	383.5
1878-79	351	3174	64	3589	2884	343	379.1
1879-80	362	2955	76	3393	2685	337	388
1880-81	371	3204	92	3667	2974	328	383.1
1881-82	365	3151	71	3587	2853	390	383
1882-83	344	3002	75	3421	2660	412	366.4
1883-84	349	3288	70	3707	2943	405	389.1
1884-85	359	3191	80	3630	2840	399	389.2
1885-86	391	3140	104	3635	2870	364	392.3
1886-87	401	3128	94	3623	2841	390	411.6
1887-88	292	2914	100	3306	2657	394	304.3
1888-89	255	3022	111	3388	2718	365	310.5
1889-90	305	3466	136	3907	3151	404	324.3
1890-91	352	3468	128	3948	3188	392	375.2
1891-92	368	4393	111	4872	4107	377	294.2
1892-93	288	3614	116	4018	3293	382	318
1893-94	343	3782	148	4273	3457	391	413.6
1894-95	425	2680	143	3248	2598	384	301.95
1895-96	266	3422	170	3858	3099	465	332.2
1896-97	294	3583	128	4005	3123	504	357.04
1897-98	378	3902	121	4401	3454	564	377.92

SHOWING NUMBER OF PATIENTS REMAINING ON 1ST OF EACH MONTH, NUMBER EXAMINED, NUMBER REJECTED, NUMBER ADMITTED, NUMBER BORN, NUMBER DISCHARGED, NUMBER DIED AND AVERAGE FOR MONTH.

MONTH.	Number of Patients remaining on first of month	Number examined for admission during the month	Number rejected during month	Number admitted during month	Number born during month	Number discharged during month	Number died during month	Average number under treatment during month
1897—July	378	324	6	318	8	281	39	369.74
August	384	355	64	291	8	300	43	353.8
September	340	362	86	276	7	253	36	342.2
October	334	414	93	321	10	277	42	360.9
November	346	389	65	324	10	274	48	361.07
December	358	399	60	339	8	274	51	374.84
1898—January	380	354	34	320	18	272	53	394.87
February	393	350	15	335	15	286	47	407
March	410	409	29	380	14	323	68	402 77
April	413	347	37	310	6	305	49	397.2
May	375	352	25	327	5	283	40	381.68
June	384	385	24	361	12	326	48	389
July 1st	383							
Totals		4,440	538	3,902	*121	3,454	564	377.92

*In the above number of born are not included 10 stillborn.

CIVIL CONDITION OF DECEASED PATIENTS.

	MALE.	FEMALE.	TOTALS.
Single	274	28	302
Married	78	51	129
Widowed	88	41	129
Unascertained	4	.....	4
Totals	444	120	564

AGES OF DECEASED PATIENTS.

	NUMBER.		NUMBER.
Under 1 year	14	From 50 to 60 years	112
From 1 to 10 years	3	From 60 to 70 years	78
From 10 to 20 years	9	From 70 to 80 years	37
From 20 to 30 years	75	From 80 to 90 years	5
From 30 to 40 years	104	Unascertained	1
From 40 to 50 years	126	Total	564

SEX OF DECEASED PATIENTS.

SEX.	NUMBER.
Males	444
Females	120
Total	564

RACE OF DECEASED PATIENTS.

RACE.	NUMBER.
Caucasian	535
African	9
Mongolian	15
Malay	2
Half-caste Indian	2
Half-caste Mongolian	1
Total	564

NATIVITIES OF DECEASED PATIENTS.

UNITED STATES.

California	78	Nevada	2
Connecticut	2	New Hampshire	1
District of Columbia	1	New Jersey	4
Florida	1	New York	37
Illinois	3	Ohio	7
Indiana	2	Pennsylvania	12
Iowa	4	Rhode Island	2
Kansas	1	South Carolina	1
Kentucky	3	Tennessee	1
Louisiana	5	Texas	3
Maine	8	Vermont	2
Maryland	1	Virginia	4
Massachusetts	20	Washington	2
Michigan	6	Wisconsin	2
Missouri	3		
Nebraska	1	Total	219

FOREIGN.

Africa	1	Japan	8
Austria	8	Mexico	3
Canada	16	Norway	9
Chile	2	Philippine Islands	1
China	10	Portugal	2
Denmark	3	Russia	2
East Indies	1	Scotland	9
England	29	Sweden	16
Finland	4	Switzerland	6
France	14	West Indies	2
Germany	65		
Greece	2	Total	345
Guatemala	1	Total United States	219
Ireland	115		
Italy	16	Total	564

RECORD OF BIRTHS.

	1897.						1898.						Totals
	July	August	September	October	November	December	January	February	March	April	May	June	
Males, white	2	5	4	7	6	9	8	8	7	2	1	6	65
Females, white	6	3	2	2	4	1	9	9	9	4	7	6	62
Males, colored	....	1	....	1	....	..	....	....	....	....	....	....	2
Females, colored	....	...	1	....	....	....	1	....	....	....	....	....	2
Totals	8	9	7	10	10	10	18	17	16	6	8	12	131

RECORD OF STILL-BIRTHS.

	1897.						1898.						Total
	July	August	September	October	November	December	January	February	March	April	May	June	
Males, white	....	1	....	....	....	2	....	1	1	....	1	....	6
Females, white	....	....	....	....	....	....	....	1	1	....	2	....	4
Totals	....	1	....	....	....	2	....	2	2	....	3	....	10

RECORD OF CORONER'S CASES.

	1897.						1898.						Total
	July	August	September	October	November	December	January	February	March	April	May	June	
Males	4	2	2	....	1	3	2	1	7	2	5	2	31
Females	....	....	....	....	1	....	....	....	1	..	....	1	3
Totals	4	2	2	....	2	3	2	1	8	2	5	3	34

NATIVITIES OF PATIENTS.

UNITED STATES.

Alabama	9	Massachusetts	129
Alaska	2	Michigan	31
Arkansas	3	Minnesota	13
California	701	Mississippi	4
Colorado	3	Missouri	47
Connecticut	14	Nebraska	10
Delaware	1	Nevada	17
District of Columbia	5	New Hampshire	9
Florida	2	New Jersey	20
Georgia	5	New Mexico	2
Illinois	57	New York	277
Indiana	23	North Carolina	2
Indian Territory	1	Ohio	77
Iowa	25	Oregon	18
Kansas	14	Pennsylvania	98
Kentucky	18	Rhode Island	7
Louisiana	25	South Carolina	3
Maine	42	Tennessee	14
Maryland	10	Texas	7

NATIVITIES OF PATIENTS—CONTINUED.

Utah	3	Wisconsin	16
Vermont	16	Wyoming	4
Virginia	27	Unascertained	3
Washington	4		
West Virginia	2	Total	1,820

FOREIGN.

Africa	1	Italy	86
Australia	13	Japan	32
Austria	55	Mexico	29
Azores Islands	4	New Zealand	4
Belgium	11	Norway	62
British Columbia	5	Peru	1
Canada	108	Philippine Islands	3
Chile	9	Poland	1
China	36	Portugal	17
Denmark	43	Roumania	1
East Indies	3	Russia	26
England	222	Salvador	1
Finland	30	Samoa	1
France	89	Sandwich Islands	8
Germany	417	Scotland	83
Greece	9	Spain	3
Guatemala	1	Sweden	128
Holland	5	Switzerland	59
Hungary	2	West Indies	10
Iceland	1		
Ireland	965	Total	2,581
Island of Java	1	Total United States	1,820
Island of Madeira	1		
Island of Malta	1	Total	4,401

OCCUPATION OF PATIENTS.

Actor	1	Cadet Volunteers of America	2
Actress	7	Candlemaker	1
Advertiser	2	Candymaker	3
Architect	1	Canmaker	1
Artist	1	Canner	5
Assayer	2	Canvasser	4
Baggageman	1	Carbuilder	2
Baker	61	Carpenter	95
Barber	35	Carpetlayer	3
Barkeeper	7	Carpetweaver	1
Bartender	28	Carriagemaker	2
Bedmaker	4	Carriage painter	4
Bellboy	1	Carriage trimmer	1
Billposter	1	Carriage washer	2
Blacksmith	37	Cashier	1
Blacksmith helper	4	Cattledriver	1
Boatbuilder	1	Cigarmaker	9
Boatman	2	Cigarettemaker	2
Boilermaker	20	Civil engineer	3
Boilermaker helper	3	Clerk	102
Bookbinder	6	Cloakmaker	1
Bookkeeper	15	Clothingcutter	1
Bootblack	12	Coachman	5
Bottler	1	Collector	4
Boxmaker	5	Compositor	5
Brakeman	1	Conductor	3
Brassfinisher	4	Confectioner	8
Brassmolder	3	Contractor	3
Brassworker	2	Cook	208
Brewer	14	Cooper	20
Bricklayer	11	Coremaker	3
Buggywasher	2	Creameryman	3
Butcher	42	Currier	1
Cabinetmaker	9	Dairyman	2

OCCUPATION OF PATIENTS—CONTINUED.

Deckhand	4	Glovemaker	1
Decorator	1	Goldbeater	1
Designer	1	Governess	1
Dishwasher	30	Granite-polisher	1
Diver	2	Groceryman	1
Domestic	418	Groom	4
Drayman	1	Gunsmith	1
Dressmaker	39	Hackdriver	2
Driller	1	Hackman	3
Driver	6	Handbill-distributor	1
Druggist	5	Harnessmaker	5
Dyer	8	Harnesswasher	2
Electrician	5	Hatmaker	3
Elevatorman	3	Horseman	1
Elocutionist	1	Horseshoer	7
Embalmer	1	Horsetrainer	1
Engineer	27	Hostler	39
Engraver	3	Hotelkeeper	1
Exercise boy	4	Housekeeper	36
Expressman	9	Housemover	2
Farmer	3	Housewife	247
Fireman	18	Infants	133
Fisherman	5	Insurance Agent	2
Florist	4	Ironmolder	11
Fortuneteller	1	Ironworker	10
Foundry apprentice	2	Ivorycarver	1
Fruitpacker	1	Janitor	17
Furrier	1	Jeweler	2
Gardener	25	Jockey	3
Gasfitter	1	Journalist	4
Gilder	5	Labeler	1
Glassblower	2	Laborer	989
Glazier	3	Lather	4
Glovecutter	1	Laundress	20

OCCUPATION OF PATIENTS —CONTINUED.

Laundryman	20	Newspaper-carrier	1
Lawyer	5	Nightwatchman	4
Leatherstamper	1	Nurse	25
Lecturer	1	Nurseryman	1
Letter-carrier	1	Optician	1
Lineman	1	Oysterman	1
Locksmith	5	Painter	90
Logger	1	Pantryman	3
Longshoreman	68	Paperboxmaker	1
Lumberman	1	Paperhanger	2
Machinist	34	Paver	4
Machinist helper	3	Peddler	43
Map-engraver	2	Photographer	3
Marblecutter	1	Physician	5
Marblepolisher	2	Pianomaker	1
Master Mariner	3	Pianomover	1
Matchmaker	1	Pianopolisher	1
Mattressmaker	3	Piledriver	2
Merchant	7	Plasterer	20
Messenger boy	2	Plater	1
Metalmolder	1	Plumber	12
Metalworker	1	Plumber's helper	3
Midwife	1	Police Lieutenant	1
Milker	5	Police Officer, Ex-	1
Milkman	1	Porkpacker	3
Miller	6	Porter	43
Millhand	3	Pressman	2
Milliner	7	Printer	38
Miner	97	Proofreader	2
Minister	1	Purser	1
Motorman	1	Quarryman	1
Musician	10	Reat Estate Agent	1
Music Teacher	3	Reporter	3
Newsdealer	1	Restaurant-keeper	1

OCCUPATION OF PATIENTS—CONTINUED.

Rigger	3
Roofer	3
Rubberworker	2
Sacksewer	2
Sailmaker	3
Sailor	79
Salesgirl	1
Salesman	11
Saloonkeeper	2
Sausagemaker	1
Sawfiler	1
Sawyer	2
Scavenger	2
Schoolboy	27
Schoolgirl	12
School Teacher	2
Sea Captain	1
Seamstress	30
Servant	5
Sewer-builder	1
Shademaker	3
Sheetironworker	2
Shingler	1
Shipbuilder	3
Shipcalker	2
Shipcarpenter	4
Shipfitter	1
Shipliner	1
Shipwright	3
Shirtmaker	4
Shoecutter	3
Shoefitter	4
Shoemaker	28
Showman	1
Sign cleaner	1
Sign painter	4
Silversmith	3
Soldier	3
Solicitor	16
Stableman	6
Stairbuilder	2
Steamfitter	2
Steelworker	1
Stevedore	11
Steward	4
Stonecutter	8
Stonemason	6
Stonepaver	1
Stonepolisher	1
Storekeeper	3
Surveyor	4
Switchman	3
Tailor	38
Tailoress	4
Tamalemaker	2
Tamale-peddler	4
Tanner	9
Teacher	9
Teamster	118
Teapacker	1
Telegraph-builder	1
Telegraph Operator	5
Telephone Operator	1
Theater Manager	1
Tilesetter	2
Tinsmith	9
Tobacconist	1
Trunkmaker	1

OCCUPATION OF PATIENTS—CONCLUDED.

Typewriter	1	Watchman	8
Umbrellamaker	1	Weaver	1
Undertaker	1	Wellborer	2
Upholsterer	11	Window-cleaner	4
Varnisher	1	Winemaker	1
Vaquero	4	Wireropemaker	2
Vocalist	1	Wireworker	1
Wagonmaker	1	Woodchopper	1
Waiter	93	Woolsorter	2
Waitress	22	Unascertained	28
Watchmaker	3	Total	4,401

LIST OF DONATIONS.

NAME.	ARTICLES.
Henry Lunstedt	Papers.
San Francisco Fruit and Flower Mission	Papers.
William V. Bryan	Papers and Books.
Dennett's Cafe	Papers.
San Francisco Fruit and Flower Mission	Magazines.
Mrs. T. Pendergast	Books and Papers.
San Francisco Fruit and Flower Mission	Books and Papers.
William V. Bryan	Books and Papers.
Dennett's Cafe	Papers.
San Francisco Fruit and Flower Mission	Books and Papers.
Dennett's Cafe	Books and Papers
San Francisco Fruit and Flower Mission	Books and Papers.
San Francisco Fruit and Flower Mission	Fruit, Flowers and Books.

LIST OF DONATIONS—CONCLUDED.

NAME.	ARTICLES.
C. W. Locke	Magazines.
Dennett's Cafe	Papers.
Dennett's Cafe	Papers.
Mrs. T. Pendergast	Papers.
Public Library	Papers.
Society for Christian Work	Books and Magazines.
San Francisco Fruit and Flower Mission	Fruit and Magazines.
San Francisco Fruit and Flower Mission	Fruit, Jelly, Magazines and Papers
Dr. John M. Williamson	Magazines and Books.
San Francisco Fruit and Flower Mission	Magazines and Papers.
San Francisco Fruit and Flower Mission	Magazines and Papers.
Mrs. Phebe Hearst	$250.00.
San Francisco Fruit and Flower Mission	Magazines.
Mrs. Galland	Magazines.
San Francisco Fruit and Flower Mission	Books and Papers.
San Francisco Fruit and Flower Mission	Books and Papers.
Dr. R. A. McLean	Magazines.
San Francisco Fruit and Flower Mission	Books and Magazines.
Ladies' Aid Society	Magazines.
San Francisco Fruit and Flower Mission	Nuts and Magazines.
Mrs. Bullen	Flannels.
San Francisco Fruit and Flower Mission	Magazines and Papers.
John Buck	Magazines and Papers.
Mrs. Sweatland	Magazines.
Mrs. J. W. Wilkins	Lint and Magazines.

MEDICAL AND SURGICAL DISEASES.

CLASSIFIED ACCORDING TO THE NOMENCLATURE OF DISEASES, AS PUBLISHED BY THE ROYAL COLLEGE OF PHYSICIANS OF LONDON AND AMERICAN ASSOCIATION.

FROM JULY 1, 1897, TO JUNE 30, 1898.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
ACUTE GENERAL INFECTIOUS FEVERS.										
Typhoid fever	3	19	8	27	19	...	....	10	29	1
With intestinal perforation	....	1	....	1	....	....	....	1	1	....
With abscess of abdominal wall	....	1	....	1	1	....	....	....	1	....
With cystitis	....	1	....	1	....	....	....	....	...	1
Diphtheria	....	3	2	5	3	....	....	1	4	1
Pseudo-diphtheria	....	1	1	2	2	....	....	...	2	....
Intermittent malarial fever	5	142	6	148	117	28	4	....	149	4
Chronic	....	1	....	1	1	....	...	....	1	....
Irregular	1	1	....	1	1	....	....	1	2	....
Tertian	....	4	....	4	3	....	1	....	4	....
With angioma	1	....	....	....	1	....	....	...	1	...
With tuberculosis pulmonalls	....	1	....	1	....	1	....	....	1	....
With aortic incompetence	....	1	....	1	....	1	....	....	1	....
With tapeworm	....	1	....	1	1	....	....	....	1	....
Remittent fever	....	3	....	3	2	1	....	....	3	....
Influenza	....	5	....	5	5	....	....	....	5	....
Measles	....	2	1	3	3	....	....	....	3	....
Erysipelas of face	....	27	2	29	24	1	3	1	29	....
Of face and neck	....	2	1	3	3	....	....	...	3	....
Of face, scalp and neck	....	1	1	2	2	....	....	....	2	....
Of head	...	1	....	1	....	....	....	1	1	....
Of thigh	....	...	1	1	1	...	....	....	1	....
Of face with phlegmon of thigh	....	1	....	1	1	....	...	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED. Male	Female	Total	DISCHARGED Cured	Improved	Unimproved	Died	Total	Remaining in Hospital June 30, 1898
Erysipelas of face, with chronic diarrhea	....	1	....	1	...	....	....	1	1	....
Of face with irritable heart	....	1	....	1	....	....	....	....	....	1
DIATHETIC DISEASES AND DISEASES OF NUTRITION.										
Articular rheumatism, acute	11	78	27	105	58	44	....	....	102	14
Articular rheumatism, acute, with cystitis	....	....	1	1	....	....	....	....	....	1
With external hemorrhoids	....	1	....	1	1	....	....	....	1	....
With rheumatic iritis	....	1	....	1	....	1	....	....	1	....
With lumbago	....	1	....	1	....	1	....	....	1	....
With adenitis of inguinal glands	....	1	....	1	....	1	....	....	1	....
With laryngitis	....	1	....	1	....	....	....	....	....	1
With gastric catarrh	....	....	1	1	....	....	....	...	...	1
Sub-acute	....	4	1	5	4	1	....	....	5	....
Chronic	11	54	7	61	12	48	7	....	67	5
Chronic, with paralysis agitans	....	1	....	1	....	1	...	...	1	....
Muscular rheumatism, acute	2	2	1	3	1	3	....	....	4	1
Chronic	1	9	2	11	2	8	1	....	11	1
Chronic, with congest'n of lungs	....	1	....	1	....	....	....	....	....	1
Gonorrheal rheumatism, acute	1	6	...	6	2	5	....	....	7	....
With phimosis	....	1	....	1	....	1	....	....	1	....
With pes planus	....	1	....	1	....	1	....	....	1	....
Chronic	....	2	....	2	....	1	....	....	1	1
Lumbago, acute	2	34	1	35	23	10	....	....	33	4

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Lumbago, acute, with sciatica	....	2	....	2	1	1	..	....	2	....
With acute bronchitis	...	....	1	1	1	....	....	....	1	.. .
Gout, acute	1	2	....	2	1	2	....	....	3	....
Chronic	....	2	....	2	....	1	....	....	1	1
Diabetes mellitus	4	9	2	11	1	7	....	4	12	3
With gangrene of foot	...	2	....	2	....	....	1	1	2	....
Insipidus	....	2	....	2	...	2	....	....	2	....
Marasmus, infantile	....	....	1	1	....	....	....	1	1	....
Senile	....	1	....	1	....	....	.. .	1	1	....
General tuberculosis	....	4	1	5	....	....	....	5	5	...
Miliary tuberculosis	....	1	....	1	1	....	....	....	1	....
Rheumatoid arthritis	....	2	1	3	....	2	....	....	2	1
Myositis of back and thighs	....	1	...	1	1	....	....	....	1	....
Syphilis, secondary	3	3	5	8	1	9	1	....	11	....
Secondary late	....	1	....	1	....	....	....	1	1	....
Tertiary	7	12	...	12	5	12	....	....	17	2
Cerebral	....	5	....	5	1	1	....	2	4	1
Cerebro-spinal	...	1	....	1	....	1	....	....	1	....
Congenital	....	....	1	1	....	....	....	1	1	....
Leprosy	....	1	....	1	....	....	1	....	1	....
DISEASES OF THE RESPIRATORY SYSTEM.										
OF THE MOUTH, NOSE AND PHARYNX.										
Pharyngitis, acute	....	3	1	4	....	4	....	....	4	....
Tubercular	1	1	....	2	....	1	....	1	2	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Pharyngitis, tubercular, with asthma		1		1		1			1	
Ulcerative		1		1						1
Stomatitis		1		1		1			1	
OF THE TONSILS.										
Tonsillitis, acute		4	4	8	7	1			8	
Follicular		2	1	3	3				3	
Follicular, with pharyngitis		1		1	1				1	
Abscess of tonsils		1		1	1				1	
OF THE LARYNX.										
Laryngitis, acute		2		2	1	1			2	
Tubercular		2		2		1		1	2	
OF THE BRONCHI.										
Bronchitis, acute	3	64	18	82	51	24	3		78	7
With cerebral softening			1	1				1	1	
With chronic morphinism		1		1		1			1	
With acute gastric catarrh		1		1	1				1	
With intercostal neuralgia		1		1	1				1	
Sub-acute		1	3	4	4				4	
Septic	1							1	1	
Chronic	1	15	3	18	3	13	2		18	1
Chronic, with senility			1	1		1			1	
Chronic, with ventral hernia		1		1	1				1	
Chronic, with mitral incompetence			1	1		1			1	

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Asthma	4	22	6	28	3	22	3	3	31	1
With hematuria	....	1	....	1	....	1	....	....	1	....
With dilatation of heart	1	3	....	3	....	2	....	1	3	1
With emphysema of lungs	....	1	....	1	....	1	....	...	1	....
With opium habit	1	....	....	....	....	1	....	....	1	....
With acute bronchitis	....	1	....	1	....	1	....	....	1	....
With nervous debility	....	1	....	1	....	1	....	....	1	....
OF THE LUNGS.										
Tuberculosis pulmonalis	40	281	46	327	....	104	72	156	332	35
And laryngeal	....	1	....	1	....	....	....	1	1	....
And rectal	1	....	....	....	....	....	....	1	1	....
And of knee	....	1	....	1	....	....	....	1	1	....
And of shoulder and knee	....	1	....	1	....	....	....	1	1	....
Incipient	1	1	....	1	....	2	....	..	2	....
Incipient, with neurasthenia	....	....	1	1	....	1	....	....	1	....
Miliary	....	3	....	3	1	....	....	2	3	....
With contusion of scalp	....	1	....	1	....	1	....	....	1	....
With ulcer of leg	....	1	....	1	...	1	....	....	1	....
With traumatic synovitis of knee	1	....	....	....	....	1	....	....	1	....
With multiple neuritis	....	...	1	1	...	....	....	1	1	....
With chronic interstitial nephritis	....	1	....	1	....	....	1	....	1	....
With pulmonary hemorrhage	....	2	....	2	....	....	....	2	2	....
With chronic enteritis	....	1	....	1	....	....	....	1	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Tuberculosis pulmonalis, with epilepsy	1	....	1	1	....	...	1	1	2	....
With tubercular meningitis	....	1	....	1	....	....	....	1	1	....
With pleurisy	1	....	....	....	...	1	....	....	1	....
With chronic gastritis	1	....	...	....	....	1	....	....	1	....
Lobar pneumonia	2	77	4	81	45	3	....	21	79	4
With chronic morphinism	....	1	....	1	....	....	....	....	....	1
With mitral incompetence	1	2	....	2	....	1	....	2	3	....
With erysipelas	1	....	....	....	1	....	....	....	1	....
With fracture of rib	....	1	....	1	....	. .	....	1	1	....
Double	....	3	....	3	....	....	....	3	3	....
Double, with purulent pleurisy	....	1	....	1	1	....	..	....	1	....
Suppurative	....	1	....	1	....	....	....	1	1	....
Unabsorbed	....	1	....	1	....	1	....	....	1	....
Hypostatic pneumonia	....	2	4	6	....	....	...	6	6	....
With atheroma	....	....	1	1	....	....	....	1	1	....
With enteritis	....	1	....	1	...	...	....	1	1	....
Chronic interstitial pneumonia	1	1	....	1	....	....	....	2	2	....
Suppurative pneumonia	....	1	....	1	....	....	....	1	1	....
Broncho-pneumonia	....	4	1	5	1	....	....	3	4	1
With abscess of liver	...	....	1	1	....	....	....	1	1	....
Emphysema	....	4	....	4	....	2	1	....	3	1
With mitral incompetence	....	1	....	1	....	....	1	....	1	....
With locomotor ataxia	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897.	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898.
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Emphysema, with asthma	....	1	....	1	....	1	....	....	1	....
With dilatation of heart	....	1	....	1	....	....	....	1	1	....
With chronic bronchitis	....	1	....	1	1	....	....	....	1	....
With nasal polypi	....	1	....	1	....	1	....	....	1	....
Congestion of lungs, with hemorrhage	....	1	....	1	....	....	....	1	1	....
Abscess of lung	1	2	....	2	....	2	....	1	3	....
Atelectasis	....	1	....	1	....	....	....	1	1	....
Gangrene of lung	....	1	....	1	....	....	....	1	1	....
Hemorrhage of lung, with aneurism of aorta	....	1	....	1	....	....	....	1	1	....
Hemorrhagic infraction of lung	....	1	....	1	....	....	1	....	1	....
OF THE PLEURA.										
Pleurisy, dry	....	7	2	9	7	2	....	....	9	....
Dry plastic	....	1	....	1	1	....	....	....	1	....
Dry, with suppurative otitis media	....	1	....	1	1	....	....	....	1	....
With effusion	....	23	....	23	13	6	....	1	20	3
With effusion, and varicose ulcer of leg	....	1	....	1	....	1	....	....	1	....
With effusion, double	....	1	....	1	....	....	....	1	1	....
With effusion, sub-acute	1	....	....	....	1	....	....	....	1	....
Tubercular	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED. Male	Female	Total	DISCHARGED. Cured	Improved	Unimproved	Died	Total	Remaining in Hospital June 30, 1898
DISEASES OF THE CIRCULATORY SYSTEM.										
OF THE HEART AND ITS MEMBRANES.										
Pericarditis, acute	1	2	....	2	....	1	....	1	2	1
With effusion	....	1	....	1	....	....	....	1	1	....
With congestion of liver	....	1	....	1	....	....	....	1	1	....
With dry pleurisy	....	1	....	1	....	....	....	1	1	....
Endocarditis, septic	....	1	....	1	....	....	....	1	1	....
Ulcerative	....	1	....	1	....	....	....	1	1	....
With acute nephritis	....	1	....	1	....	....	....	1	1	....
With chronic interstitial nephritis	....	1	....	1	....	....	....	1	1	....
Myocarditis	....	....	1	1	....	....	....	....	....	1
Degeneration of cardiac muscle	....	..	1	1	....	....	....	1	1	....
Dilatation of heart	....	17	1	18	2	7	1	3	13	5
Fatty heart	....	2	4	6	....	4	....	1	5	1
With acute bronchitis	....	...	1	1	....	....	....	1	1	....
Irritable heart	....	2	....	2	....	2	....	....	2	...
Senile heart	1	....	....	....	....	....	...	1	1	....
Patulous foramen ovale	....	1	....	1	...	....	..	1	1	....
Angina pectoris	....	7	2	9	1	5	2	1	9	....
Mitral incompetence	3	44	23	67	2	44	2	16	64	6
Mitral incompetence and stenosis	....	3	1	4	....	3	....	1	4	....
Mitral incompetence and aortic stenosis	....	3	2	5	....	4	....	1	5	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Mitral incompetence and stenosis with aortic incompetence and stenosis	....	2	....	2	....	1	....	1	2	....
Mitral incompetence with acute articular rheumatism	..	1	....	1	....	1	....	...	1	....
Mitral incompetence with chronic articular rheumatism	....	1	....	1	.	1	....	....	1	....
Mitral incompetence with chronic bronchitis	....	....	1	1	....	1	....	...	1	....
Mitral incompetence with multiple neuritis	....	....	1	1	...	1	....	....	1	....
Mitral incompetence with pleurisy with effusion	....	1	....	1	....	....	....	1	1	....
Mitral incompetence with dilatation of heart	....	1	....	1	....	....	....	....	....	1
Aortic incompetence	1	16	1	17	....	10	...	7	17	1
Aortic incompetence and stenosis	....	2	....	2	...	1	1	....	2	....
Aortic and mitral incompetence	....	4	4	8	....	5	....	3	8	....
Aortic incompetence and stenosis with mitral incompetence	....	7	....	7	...	1	....	5	6	1
Aortic incompetence with aortic and mitral stenosis	....	1	....	1	...	.. .	....	1	1	....
Aortic incompetence with articular rheumatism	....	1	....	1	...	....	....	1	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Aortic incompetence with chronic interstitial nephritis	....	1	....	1	....	1	....	....	1	....
Aortic incompetence with hematuria	....	1	....	1	....	1	....	....	1	....
Aortic stenosis	....	1	....	1	....	....	....	....	....	1
Aortic and mitral stenosis	2	....	....	....	....	2	....	....	2	....
Valvular disease (unclassified)	1	....	....	....	....	1	....	....	1	....
OF THE BLOOD VESSELS.										
Atheroma general	1	1	....	1	....	....	....	2	2	....
With cerebral softening	....	....	1	1	....	....	....	1	1	....
Aneurism of aorta	....	7	....	7	....	2	2	1	5	2
Of arch of aorta	1	....	....	....	....	....	....	1	1	....
Of thoracic aorta	1	1	....	1	....	....	....	2	2	....
Of innominate artery	....	1	....	1	....	....	....	....	....	1
Of subclavian and innominate arteries	....	1	....	1	....	....	....	....	....	1
Aneurismal varix with chronic parenchymatous nephritis	1	....	....	....	....	....	....	1	1	....
Venous thrombosis of leg	....	1	....	1	....	1	....	....	1	....
OF THE BLOOD.										
Anemia	1	4	1	5	....	2	2	....	4	2
Chronic	....	1	....	1	....	....	1	....	1	....
Pernicious	....	1	....	1	....	....	....	1	1	....
Following sarcoma of neck	1	....	....	....	....	....	....	1	1	....
With nervous debility	....	....	1	1	....	1	....	....	1	....
Leucocythemia	....	1	....	1	....	....	....	1	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
DISEASES OF THE LIVER, ETC.										
Congestion of liver	....	2	3	5	1	4	....	....	5	....
With tuberculosis pulmonalis	....	1	....	1	....	....	....	....	....	1
Cirrhosis of liver	....	13	6	19	....	8	....	9	17	2
With chronic interstitial nephritis	....	....	1	1	....	....	....	1	1	....
Carcinoma of liver	....	9	1	10	....	1	....	9	10	....
Abscess of liver	....	....	1	1	....	....	....	1	1	....
Enlargement of liver	....	1	....	1	....	....	1	....	1	....
Hydatid of liver	....	1	....	1	....	1	....	....	1	....
Hepatitis with sub-acute bronchitis	....	1	....	1	....	1	....	....	1	....
Jaundice, catarrhal	....	3	1	4	1	3	....	....	4	....
Obstructive	....	....	1	1	....	....	1	....	1	....
Gastro-duodenal	....	2	....	2	2	....	....	....	2	....
Cholelithiasis	1	....	....	....	1	....	....	....	1	....
DISEASES OF THE THYROID.										
Exophthalmic goitre	1	1	....	1	....	2	....	....	2	....
Myxedema	1	1	....	1	....	1	....	....	1	1
DISEASES OF THE DIGESTIVE ORGANS.										
OF THE ESOPHAGUS.										
Carcinoma of esophagus	....	1	....	1	....	....	....	1	1	....
Stricture of esophagus, with constipation	....	1	....	1	....	....	....	....	....	1
OF THE STOMACH.										
Gastritis, acute	1	42	13	55	40	13	....	....	54	2

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED. Male	Female	Total	DISCHARGED. Cured	Improved	Unimproved	Died	Total	Remaining in Hospital June 30, 1898
Gastritis, sub-acute	....	...	1	1	1	....	....	....	1	....
Catarrhal	....	....	3	3	3	..	....	....	3	....
Chronic	2	33	1	34	7	23	1	...	31	5
Gastralgia	....	1	....	1	1	....	....	...	1	....
Gastric ulcer	..	1	....	1	....	1	....	....	1	....
Carcinoma of stomach	1	4	3	7	....	....	1	6	7	1
Dyspepsia, acute	....	3	1	4	3	1	....	...	4	....
Atonic	1	1	1	2	2	1	....	....	3	....
Chronic	....	2	1	3	....	2	1	....	3	....
Gastro-enteritis	....	2	1	3	1	....	....	2	3	....
Gastrectasis	....	1	....	1	....	....	...	....	....	1
Tumor abdominis	....	1	....	1	....	....	1	...	1	....
OF THE INTESTINES.										
Enteralgia	....	1	...	1	....	1	....	....	1	....
Enteritis	....	1	....	1	....	....	....	1	1	...
Entero-colitis	....	2	....	2	2	....	....	....	2	....
Appendicitis	....	1	....	1	....	....	..	1	1	...
Intestinal obstruction	....	3	...	3	2	1	....	....	3	....
Constipation, acute	....	3	....	3	2	....	....	....	2	1
Chronic	....	5	3	8	2	5	....	....	7	1
Diarrhea, acute	1	2	1	3	4	....	....	....	4	....
Chronic	....	6	2	8	4	4	..	....	8	....
Dysentery, acute	1	2	....	2	1	1	1	....	3	....
Sub-acute	....	1	...	1	1	....	..	....	1	....
Chronic	1	3	..	3	1	3	....	...	4	....
Chronic, with fistula in ano	....	1	....	1	....	....	1	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Tapeworm	....	...	1	1	....	....	1	....	1	....
OF THE PANCREAS.										
Abscess of pancreas	....	....	1	1	....	....	....	1	1	....
Pancreatitis, chronic interstitial	....	....	1	1	....	....	...	....	....	1
OF THE PERITONEUM.										
Peritonitis, acute	2	2	1	3	3	2	....	....	5	....
With bronchitis	1	....	....	....	....	....	..	1	1	....
Tubercular	....	1	1	2	....	....	1	1	2	....
Tubercular, with cirrhosis of liver	..	1	...	1	....	....	....	1	1	....
Following operation for inguinal hernia	....	1	....	1	....	....	...	1	1	....
DISEASES OF THE KIDNEYS, BLADDER, ETC.										
Parenchymatous nephritis, acute	....	4	1	5	.	1	....	4	5	....
With mitral incompetence	....	1	....	1	....	....	....	1	1	....
With dilatation of heart	....	1	...	1	...	1	....	....	1	....
With pelvic cellulitis	....	....	1	1	....	. .	1	....	1	....
Sub-acute	....	1	....	1	....	1	....	....	1	....
Parenchymatous nephritis, chronic	3	15	2	17	...	8	....	11	19	1
With cerebral hemorrhage	....	1	....	1	....	....	....	1	1	...
Interstitial nephritis, acute	3	2	....	2	....	3	....	2	5	...
With diabetes mellitus	1	....	....	....	....	1	....	....	1	....
Chronic	....	8	1	9	..	3	....	4	7	2
Chronic, with lobular pneumonia	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Pyelitis	....	2	1	3	1	....	....	2	3	...
Double	....	1	....	1	....	....	....	1	1	....
With cerebral syphilis	....	1	....	1	....	....	....	1	1	....
Haematuria, intermittent	....	1	....	1	1	....	....	....	1	....
Incontinence of urine	....	1	....	1	....	1	....	....	1	....
Carcinoma of kidney	....	....	1	1	....	....	1	....	1	....
Cystic kidney	....	1	....	1	....	....	....	1	1	....
Movable kidney	....	....	1	1	1	....	....	....	1	....
Renal calculus	....	2	....	2	1	1	....	....	2	....
DISEASES OF THE NERVOUS SYSTEM.										
OF THE BRAIN.										
Cerebral softening	....	2	1	3	....	1	1	....	2	1
Cerebral apoplexy	5	13	2	15	....	5	....	15	20	....
With hemiplegia	....	1	1	2	....	....	....	1	1	1
Cerebral degeneration following apoplexy	....	1	....	1	....	....	....	1	1	....
Cerebral abscess	....	1	....	1	....	....	....	1	1	....
Concussion of brain	....	1	....	1	....	1	....	....	1	....
Cerebral meningitis	....	2	2	4	1	....	....	3	4	....
Syphilitic	1	....	....	....	....	....	....	1	1	....
Tubercular	....	1	....	1	....	....	....	1	1	....
Due to spina bifida	....	1	....	1	....	....	....	1	1	....
Hemiplegia	5	17	6	23	....	17	1	3	21	7
Cerebral	....	1	....	1	....	....	....	1	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Hemiplegia, traumatic	....	1	....	1	....	....	....	....	....	1
Partial	....	1	....	1	....	1	...	....	1	....
From cerebral hemorrhage	....	....	1	1	....	....	....	1	1	....
With cyst of ovaries	...	....	1	1	....	....	1	....	1	....
With retention of urine	...	1	...	1	....	....	....	1	1	...
Paraplegia	1	4	....	4	....	3	1	1	5	....
Partial	....	2	....	2	....	....	....	....	....	2
Vertigo	....	1	....	1	....	1	....	...	1	....
Aural	....	1	....	1	1	....	....	....	1	....
Aphasia	....	2	....	2	....	2	....	....	2	....
OF THE SPINAL CORD.										
Spinal meningitis	....	1	....	1	....	....	....	1	1	....
Lateral sclerosis of cord	....	1	....	1	....	1	....	....	1	....
Myelitis, chronic	1	....	....	....	..	1	....	....	1	....
Syphilis of spinal cord	....	1	....	1	..	....	....	1	1	....
Locomotor ataxia	4	12	....	12	....	10	4	....	14	2
OF THE NERVES.										
Neuralgia	1	....	....	....	....	1	....	....	1	....
Facial	....	2	2	4	1	2	1	....	4	....
Intercostal	....	7	1	8	6	1	1	....	8	....
Occipital	....	1	....	1	...	1	....	....	1	....
Cervico-occipital	....	2	..	2	....	2	....	....	2	....
Hemicrania	....	2	1	3	1	2	....	....	3	....
Traumatic	....	1	....	1	...	....	1	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Sciatica	4	13	....	13	5	10	2	....	17	....
Pleurodynia	...	1	....	1	1	...	....	....	1	....
Traumatic	...	1	....	1	1	....	....	....	1	....
Paresis, general	2	....	....	...	....	2	....	....	2	....
Paralysis, of quadriceps extensor muscles	....	1	....	1	....	1	....	....	1	....
Paralysis agitans	....	3	1	4	....	3	1	....	4	....
Agitans with ephysema of lungs	....	1	....	1	....	1	....	....	1	....
Alcoholic	....	1	....	1	....	1	...	...	1	....
Alcoholic, chronic	....	1	....	1	...	1	. .	...	1	...
Facial	...	1	...	1	....	....	....	....	....	1
Spastic	....	1	....	1	....	1	....	....	1	....
Traumatic	....	2	....	2	. .	1	1	....	2	....
Senile	....	1	....	1	....	1	....	....	1	....
Neuritis	1	....	....	...	....	1	....	....	1	....
Alcoholic	2	4	2	6	1	3	....	....	4	4
Arsensical	....	1	....	1	....	....	....	....	....	1
Multiple	1	3	5	8	1	7	....	....	8	1
Multiple peripheral	....	....	1	1	....	1	....	....	1	....
Peripheral with mitral incompetence	....	. ..	1	1	....	1	....	....	1	....
Of legs	....	....	1	1	....	1	....	.	1	....
Of legs and thighs	....	1	....	1	....	1	....	....	1	....
Of thigh	....	1	...	1	.	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
NEUROSES.										
Epilepsy	4	1	....	1	....	4	....	....	4	1
Petit mal	....	6	....	6	....	4	2	....	6	....
Petit mal with lumbago	....	....	1	1	....	1	....	...	1	....
Grand mal	...	10	4	14	1	4	9	....	14	...
Grand mal with mitral incompetence	....	..	1	1	....	1	....	....	1	....
Jacksonian	....	2	....	2	....	1	1	....	2	....
Hysteria	....	2	5	7	2	2	2	....	6	1
Neurasthenia	1	10	6	16	3	9	1	....	13	4
Sexual	....	1	...	1	....	1	....	....	1	....
Hypochondriasis	....	3	....	3	...	1	2	....	3	....
Chorea	....	....	1	1	....	....	...	1	1	....
Chronic	1	....	....	....	....	1	....	....	1	....
Insomnia	....	1	...	1	1	..	....	....	1	....
Neurosis of nose	....	1	....	1	....	....	1	....	1	....
Epileptiform convulsions	....	1	....	1	....	....	1	....	1	....
Eclampsia	....	1	....	1	....	....	....	1	1	....
DISEASES OF THE INTELLECT.										
Dementia, senile	....	1	2	3	....	....	2	1	3	....
Mania, hallucinatory	....	....	1	1	....	....	1	....	1	....
Delirium tremens	....	3	....	3	1	2	....	....	3	....
Insanity	....	6	5	11	...	....	11	...	11	...
Alcoholic	....	1	....	1	...	....	1	....	1	....
With myxedema	...	1	....	1	....	....	1	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
DISEASES OF THE SKIN.										
Dermatitis, exfoliativa	....	1	....	1	....	1	...	....	1	....
With acute articular rheumatism	....	....	1	1	....	....	....	....	....	1
Syphilitic	1	....	....	....	1	...	....	....	1	....
Urticaria	....	1	....	1	1	....	....	....	1	....
Herpes Zoster	....	5	....	5	3	....	....	....	3	2
Tinea sycosis	1	....	...	....	1	....	....	....	1	....
Acne rosacea	....	...	1	1	...	1	....	....	1	....
Scleroderma	....	....	1	1	....	....	1	....	1	....
POISONS.										
Alcoholism, acute	1	65	7	72	39	24	5	3	71	2
With chronic nephritis (unknown variety)	....	....	1	1	....	....	....	1	1	....
With epilepsy	....	1	...	1	...	....	1	....	1	....
With fatty liver	....	....	1	1	....	....	....	1	1	....
With hypostatic pneumonia	....	1	1	2	....	....	....	2	2	....
With rheumatic iritis	....	1	....	1	1	....	....	....	1	....
Chronic	1	8	1	9	1	2	3	1	7	3
Carbolic acid	....	2	1	3	3	....	....	....	3	....
Mercurialism, acute	....	1	..	1	1	...	....	....	1	....
Morphinism, acute	....	2	1	3	....	2	1	....	3	....
Chronic	....	11	....	11	1	5	1	4	11	...
Chronic, with multiple abscesses	...	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

MEDICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Morphine habit	....	...	1	1	....	...	1	....	1	....
Morphine and strychnine	....	1	....	1	...	1	....	....	1	....
Opium poisoning, acute	....	1	....	1	1	....	....	....	1	....
Plumbism, acute	....	1	....	1	1	....	....	...	1	....
Chronic	....	2	....	2	....	...	1	1	2	....
Ptomaine	....	2	1	3	2	1	....	...	3	....
Cocainism	....	1	....	1	....	....	1	....	1	....
Rhus toxicodendron	....	1	....	1	...	1	....	....	1	....
UNCLASSIFIED.										
Senility	....	11	1	12	...	....	5	7	12	....
With cystitis	....	2	....	2	....	....	...	2	2	....
With fracture of femur	....	....	1	1	....	....	....	1	1	....
Senile debility	....	1	2	3	....	2	1	..	3	....
General debility	....	4	1	5	1	2	1	1	5	....
Senile degeneration	....	1	....	1	....	....	....	1	1	....
Exhaustion	....	1	....	1	1	....	....	....	1	....
Inanition	....	2	....	2	....	...	....	2	2	....
Mercurial ptyalism	...	1	....	1	...	1	....	....	1	....
Obesity	....	1	2	3	....	2	1	....	3	....
Simulation	...	1	....	1	1	....	...	....	1	....
Infants, accompanying mothers, not ill	....	5	4	9	9	....	....	....	9	
Infants, born in hospital, not ill	....	55	52	107	99	....	....	...	99	8
Not diagnosed	4	....	....	....	.. .	2	....	2	4	....
Not treated	....	15	5	20	...	....	20	...	20	....
Total	196	1779	423	2202	743	781	221	464	2209	189

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
OF THE HEAD, NECK, MOUTH AND NOSE										
Abscess of neck	....	5	2	7	7	....	....	....	7	....
Tubercular	....	1	....	1	1	....	....	....	1	....
Of neck and arm	....	1	...	1	1	....	....	....	1	....
Of inferior maxilla	....	2	....	2	....	1	1	....	2	....
Alveolar	....	4	1	5	3	2	....	....	5	....
Adenitis of neck	....	2	....	2	1	1	....	....	2	....
Tubercular	2	1	2	3	1	2	1	....	4	1
Carbuncle of neck	1	5	....	5	1	...	1	1	3	3
Of neck and back	....	1	...	1	1	....	....	....	1	....
Furuncle of neck	....	2	....	2	2	....	....	....	2	....
Tubercular glands of neck	....	2	1	3	....	3	....	....	3	....
Of neck and groin	....	1	....	1	....	....	....	....	....	1
Sinus in neck following operation	....	1	....	1	...	1	....	...	1	....
Stricture of esophagus	1	2	....	2	....	1	1	1	3	....
Foreign body in esophagus	....	1	...	1	1	....	....	....	1	....
Enchondroma of neck	....	....	1	1	1	....	....	....	1	...
Tonsillitis	....	1	....	1	....	1	....	....	1	....
Quinsy	....	1	....	1	1	....	....	....	1	....
Sebaceous cyst of head	....	1	....	1	1	....	....	....	1	....
Tumor of nose	....	1	....	1	....	1	...	....	1	....
Ulceration of soft palate	....	1	....	1	....	....	1	....	1	....
Cicatricial contraction of mouth	....	1	....	1	....	1	....	....	1	....
Epistaxis	....	2	....	2	1	....	....	....	1	1

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Enlargement of lymphatics, following carcinoma of tongue		1		1			1		1	
OF THE FACE.										
Rodent ulcer	1									1
Abscess, sub-mental		1		1	1				1	
Submaxillary		1		1						1
Infected wound of face		1		1	1				1	
Syphilitic necrosis of nose		1		1						1
Hypertrophy of lip		1		1			1		1	
OF THE EAR.										
Otitis media		4		4		3	1		4	
Mastoiditis		4		4	1	3			4	
Suppurative, with otitis media		1		1						1
OF THE BACK.										
Abscess of back		1		1						1
Carbuncle		3	2	5	2	1		1	4	1
New growth on back		1		1			1		1	
Ulcer over sacrum, with furunculosis		1		1	1				1	
OF THE CHEST.										
Abscess		1		1	1				1	
Fibroma of chest-wall		1		1	1				1	
Mastitis	1					1			1	
OF THE ABDOMEN AND PELVIS.										
Abscess of abdomen, with septicemia		1		1				1	1	
Tubercular, of anus	1						1		1	

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Abscess of gluteal region	....	1	1	2	2	....	....	....	2	....
In groin	...	3	1	4	2	....	....	....	2	2
Of perineum	....	2	....	2	1	1	...	....	2	....
Ulcer of abdomen	....	1	....	1	1	....	....	....	1	....
Tumor of abdomen	....	1	....	1	....	....	1	....	1	....
Appendicitis	2	6	....	6	5	2	...	....	7	1
Hernia, strangulated (location unascertained)	....	1	....	1	....	....	....	1	1	....
Inguinal hernia	2	21	....	21	13	1	5	....	19	4
Double	....	4	....	4	1	...	2	....	3	1
Irreducible	1	...	....	....	....	1	....	...	1	....
Oblique	....	6	....	6	3	1	2	....	6	....
Oblique, with acute alcoholism	....	1	....	1	....	1	....	...	1	....
Strangulated	....	5	....	5	4	....	....	1	5	....
Strangulated, with erysipelas of body	....	1	....	1	1	....	....	....	1	....
Umbilical hernia	....	....	2	2	1	1	....	....	2	....
Strangulated	....	....	1	1	1	....	....	....	1	....
Ventral hernia	....	2	1	3	1	....	1	1	3	....
Hemorrhoids, internal	1	13	1	14	6	6	3	..	15	....
Internal and external	....	....	1	1	....	....	1	....	1	....
External	....	10	1	11	7	2	1	....	10	1
External, with fistula in ano	....	1	...	1	....	1	....	...	1	....
Prolapse of rectum	....	....	1	1	1	....	....	....	1	....
Stricture of rectum	1	..	....	....	...	..	....	1	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Fistula in ano	3	19	4	23	11	11	1	....	23	3
With ischio-rectal abscess	....	1	....	1	....	....	....	....	....	1
Fissure in ano	....	1	....	1	....	....	1	....	1	....
With internal hemorrhoids	...	....	1	1	...	....	....	....	..	1
Condylomata ani, syphilitic	1	....	...	....	....	1	....	....	1	....
Papillomata ani	....	2	..	2	2	....	....	....	2	....
Ulcer of anus	1	1	....	1	1	1	...	....	2	....
Ischio-rectal abscess	2	10	....	10	4	4	1	....	9	3
Traumatic bubo	....	1	....	1	1	...	....	..	1	....
Enlarged inguinal glands	....	1	....	1	1	....	....	....	1	....
Old sinus, following operation for inguinal hernia	....	1	....	1	1	....	....	....	1	....
Sinus in inguinal region	....	1	....	1	....	...	1	....	1	....
OF THE RESPIRATORY SYSTEM.										
Purulent pleurisy	1	9	....	9	1	2	2	2	7	3
With fistula	....	1	....	1	....	....	1	..	1	....
Septic pneumonia, following laryngotomy for carcinoma of larynx	....	1	..	1	....	....	...	1	1	....
OF THE THYROID.										
Cystic goitre	...	1	....	1	1	...	....	....	1	....
OF THE BLOOD AND BLOOD-MAKING GLANDS.										
Septicemia	....	1	..	1	....	....	1	....	1	....
Puerperal	....	....	2	2	1	...	....	1	2	....
Following amputation of leg	....	..	1	1	..	...	....	1	1	...

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Septicemia resulting from carbuncle of face	....	....	1	1	...	....	....	1	1	....
Resulting from external burns.	....	....	1	1	....	....	....	1	1	....
Resulting from urinary fistula.	....	1	....	1	....	....	....	1	1	....
Pyemia	....	1	1	2	....	....	....	2	2	....
OF THE SECRETORY SYSTEM.										
Abscess of liver	....	2	....	2	....	1	.. .	1	2	....
Gallstones	....	1	....	1	1	....	....	....	1	....
OF THE URINARY SYSTEM.										
Cystitis, acute	....	1	1	2	1	1	....	....	2	....
Chronic	....	7	2	9	2	6	....	....	8	1
Chronic, with chronic bronchitis and chronic articular rheumatism	....	....	1	1	....	1	....	....	1	....
Gonorrheal	....	1	...	1	1	....	....	....	1	....
Hemorrhagical	....	1	....	1	...	...	1	....	1	....
Purulent	1	....	....	....	....	1	....	....	1	....
Prostatitis, acute	....	2	....	2	....	1	...	....	1	1
Pyelitis	....	3	...	3	...	2	...	1	3	....
Calculus in bladder	....	1	....	1	1	....	....	....	1	...
Paralysis of bladder	....	2	....	2	....	2	....	...	2	....
Sinus into bladder, due to suprapubic cystotomy	....	2	....	2	1	1	....	....	2	....
Atony of bladder, with hypertrophy of prostate gland	....	1	.	1	....	1	. ..	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Cystocele with laceration of cervix and perineum			1	1	1				1	
With laceration of perineum			1	1		1			1	
Abscess of kidney and pancreas		1		1				1	1	
Perinephritic		1		1	1				1	
Enlarged prostate gland		3		3		2	1		3	
Urinary fistula		2		2		1			1	1
OF THE UPPER EXTREMITIES.										
Abscess of arm		4		4	2	2			4	
Of axilla	1	4	1	5	4	2			6	
Of shoulder		1		1		1			1	
Amputation of arm	1				1				1	
Cicatricial contraction of hand		1		1			1		1	
Dermatitis of hand		1		1	1				1	
Furuncle of hand		1		1		1			1	
Of wrist		1		1	1				1	
Gangrene of finger	1	2		2	2		1		3	
Of hand		1		1	1				1	
Phlegmon of arm	1	1		1	2				2	
Of axilla		1		1		1			1	
Of hand	1	11		11	6	5			11	1
Of finger		2		2	2				2	
Septic infection of finger			1	1		1			1	
Tuberculosis of elbow		1		1	1				1	

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Ulcer of hand	....	1	....	1	1	....	....	....	1	....
Of wrist, syphilitic	....	1	....	1	....	1	....	....	1	....
OF THE LOWER EXTREMITIES.										
Abscess of foot	....	3	1	4	2	2	....	....	4	....
Of knee	....	1	....	1	....	1	....	....	1	....
Of leg	....	1	....	1	1	....	....	....	1	....
Of leg, multiple	....	3	....	3	3	....	....	....	3	....
Of thigh	....	3	....	3	2	1	....	...	3	....
Of thigh, multiple	....	1	....	1	....	1	....	....	1	....
Of stump of thigh	....	1	....	1	1	....	....	....	1	....
Of toe	....	2	....	2	....	1	....	....	1	1
Accidental amputation of toe, old	....	1	....	1	1	...	....	....	1	....
Amputation of thigh	1	....	....	...	....	1	....	....	1	....
Re-amputation of legs	1	....	....	...	1	....	....	....	1	....
Treatment after amputation of leg	....	1	....	1	1	....	....	....	1	....
Treatment after amputation of leg with lacerated wound of scalp	....	1	....	1	1	....	....	..	1	....
Treatment after amputation of toe	....	1	....	1	....	....	....	....	....	1
Carbuncle of hip	....	1	....	1	1	....	....	....	1	....
Cellulitis of foot	....	1	...	1	....	1	....	....	1	....
Dermatitis venenata of stump	...	1	...	1	....	1	....	....	1	....
Gangrene of foot with amputation of thigh	1	....	....	....	1	....	....	...	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Gangrene of foot, moist	...	1	....	1	....	1	....	....	1	....
Of foot, traumatic	....	1	....	1	....	1	....	....	1	....
Of foot, senile	....	1	1	2	....	1	....	1	2	....
Of foot, senile, with septicemia	....	...	1	1	....	....	....	1	1	....
Of leg	....	....	1	1	....	....	....	1	1	....
Of leg, diabetic	....	1	....	1	....	....	....	1	1	...
Of leg, dry	....	1	....	1	....	1	....	....	1	....
Of leg, from carbolic acid	....	1	....	1	1	....	....	....	1	....
Inequality of stumps (amputation)	....	1	....	1	1	....	....	....	1	...
Pes planus	....	...	1	1	....	1	....	....	1	....
Phlebitis of leg	....	2	....	2	1	1	....	....	2	....
Phlegmon of foot	....	1	1	2	2	....	....	....	2	....
Of leg	....	6	....	6	4	1	....	1	6	....
Of thigh	....	1	...	1	....	1	....	....	1	....
Of toe	....	2	....	2	1	1	....	....	2	....
Painful stump	....	1	....	1	....	1	....	....	1	....
Painful metatarso-phalangial joints from pressure of shoes	....	1	....	1	....	....	1	....	1	....
Paralysis of muscles of foot (amputation)	....	1	....	1	1	....	....	....	1	....
Thrombosis of femoral vein with gangrene	....	.. .	1	1	....	....	....	1	1	....
Traumatism of knee	....	....	2	2	....	2	...	....	2	....
Tuberculosis of leg and foot	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Tubercular sinus of hip	....	1	....	1	....	1	....	....	1	....
Ulcer of ankle	1	1	....	1	1	1	....	....	2	....
Of ankle, varicose	....	....	1	1	....	....	....	....	....	1
Of foot	....	2	....	2	1	....	1	....	2	....
Of foot, traumatic	....	....	2	2	1	1	....	....	2	....
Of foot, perforating, with talipes varus	....	....	1	1	1	....	....	....	1	....
Of leg	6	22	7	29	15	16	3	1	35	....
Of leg, multiple	....	1	....	1	....	1	....	....	1	....
Of leg, chronic	....	9	4	13	3	7	2	....	12	1
Of leg, phagedenic	....	....	1	1	....	1	....	....	1	....
Of leg, syphilitic	....	....	3	3	1	1	....	....	2	1
Of leg, traumatic	....	3	....	3	2	1	....	....	3	....
Of leg, tubercular	1	....	....	....	1	....	....	....	1	....
Of leg, varicose	4	27	15	42	10	20	7	....	37	9
Of leg, varicose, with tuberculosis pulmonalis	....	....	1	1	....	....	....	....	....	1
Of leg, varicose, with lobar pneumonia	....	....	1	1	1	....	....	....	1	....
Of leg, varicose, with neurasthenia	....	....	1	1	....	1	....	....	1	....
Of thigh	....	1	....	1	....	1	....	....	1	....
Ulcerated stump of metatarsal-phalangial joint	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Ulceration of toes	....	1	....	1	....	1	....	....	1	....
Varicose veins of leg	2	10	1	11	8	1	4	....	13	....
Of leg and thigh	....	....	1	1	...	....	....	....	...	1
OF THE BONES.										
Caries of femur and tibia	....	1	....	1	....	1	....	....	1	....
Of inferior maxilla	....	1	....	1	....	1	....	....	1	....
Of vertebrae	....	6	....	6	....	2	2	..	4	2
Necrosis of femur	....	1	....	1	....	....	1	....	1	....
Of frontal bone	...	...	1	1	....	....	....	....	....	1
Of frontal bone, syphilitic	....	....	1	1	....	1	....	....	1	....
Of malarbone	....	1	....	1	1	....	....	....	1	....
Of maxilla	....	4	....	4	1	3	....	....	4	....
Of maxilla, syphilitic	....	1	....	1	....	....	....	....	....	1
Of metatarsal bone	....	1	....	1	....	1	....	....	1	....
Of os calcis	....	1	....	1	....	....	....	....	....	1
Of rib	....	1	....	1	1	....	....	....	1	....
Of skull with abscess of brain	....	1	....	1	1	...	....	....	1	....
Of tibia	1	3	....	3	1	1	....	....	2	2
Of toe	....	2	....	2	2	....	....	....	2	....
Of ulna	....	1	....	1	....	....	....	....	....	1
Osteo-sarcoma of ilium	....	1	....	1	1	....	...	....	1	....
Pericementitis	....	1	....	1	....	1	....	....	1	....
Periostitis of leg	....	1	3	4	....	4	....	....	4	....
Tuberculosis of clavicle	....	1	....	1	1	....	....	....	1	....

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SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Tuberculosis of femur	1	....	....	....	....	1	....	....	1	....
Of knee	1	1	1	2	....	2	1	....	3	....
Of head and neck of femur	2	....	....	....	....	1	....	....	1	1
Of ribs	....	2	....	2	....	1	....	....	1	1
Of vertebrae	1	1	....	1	....	1	....	1	2	....
Tubercular ostitis of iliac bone	....	1	....	1	....	1	....	....	1	....
Of sternum	....	1	....	1	....	....	....	....	....	1
OF THE JOINTS.										
Ankylosis of ankle	....	2	....	2	....	1	1	....	2	....
Of shoulder	....	1	....	1	1	....	....	....	1	....
Arthritis, deformans	4	....	....	....	....	2	....	1	3	1
From plumbism	1	....	....	....	....	1	....	....	1	....
Of knee joint	1	....	....	....	1	....	....	....	1	....
Of knee joint, rheumatoid	....	....	1	1	....	....	1	....	1	....
Of knee joint, suppurative	....	1	1	2	1	1	....	....	2	....
Of knee joint, traumatic	....	1	1	2	....	1	....	....	1	1
Of knee joint, tubercular	....	....	2	2	....	....	1	....	1	1
Of hip joint, chronic	....	1	....	1	....	1	....	....	1	....
Of wrist, tubercular	....	1	....	1	1	....	....	....	1	....
Coxitis, senile	....	1	....	1	....	1	....	....	1	....
Tubercular	1	....	....	....	....	1	....	....	1	....
Floating cartilages in knee joint	....	3	....	3	1	1	1	....	3	....
Synovitis of elbow, tubercular	....	1	....	1	....	....	....	....	....	1
Of knee	2	1	....	1	1	2	....	....	3	....

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SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Synovitis of knee, chronic	....	1	2	3	....	2	....	....	2	1
Tubercular	1	1	....	1	1	1	....	....	2	....
Of knee, traumatic	1	1	....	1	2	....	....	....	2	....
Tuberculosis of elbow joint	1	2	...	2	1	....	1	....	2	1
Of hip joint	2	....	....	....	1	....	....	....	1	1
Of knee joint	....	7	1	8	....	2	1	....	3	5
Of wrist joint	1	....	....	....	....	1	....	....	1	....
OF THE SPINE.										
Psoas abscess	....	1	....	1	....	....	....	....	....	1
OF THE TENDONS.										
Pes planus	....	2	1	3	....	3	....	....	3	....
Talipses planus	....	1	....	1	....	1	....	....	1	....
Hallex vulgus with hammertoe	....	1	....	1	....	1	...	....	1	....
Duypetren's contraction	....	2	....	2	1	....	....	....	1	1
Contraction of tendon Achillis	....	1	....	1	....	....	1	....	1	....
OF THE BURSÆ.										
Bursitis of elbow	....	1	....	1	....	1	..	....	1	....
Of toe	....	....	1	1	....	1	....	....	1	....
Prepatellar	....	1	....	1	1	....	....	....	1	....
Prepatellar, suppurative	....	....	1	1	1	....	....	....	1	....
OF THE LYMPHATICS.										
Lymphangitis of leg with pes planus	1	....	....	....	...	1	....	....	1	....
Of side	....	1	....	1	1	....	....	...	1	....

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SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
MALIGNANT TUMORS. (See also Special Regions.)										
Carcinoma of arm		1		1						1
Of bladder		3		3				3	3	
Of bowels and omentum			1	1				1	1	
Of face		1	1	2				1	1	1
Of gall ducts with rupture of gall bladder		1		1				1	1	
Of intestines			1	1				1	1	
Of hand		1		1	1				1	
Of larynx		2		2		2			2	
Of larynx and neck		1		1				1	1	
Of neck		4		4		1		3	4	
Of neck and maxilla, recurrent		1		1		1			1	
Of pancreas		1		1		1			1	
Of pharynx	1							1	1	
Of rectum	1	2		2	1		1	1	3	
Of stomach		3		3				3	3	
Of stomach with mesentery		1		1				1	1	
Of superior maxilla	1							1	1	
Of testicle		1		1	1				1	
Of tongue		3		3			1	1	2	1
Of tongue and inferior maxilla		1		1						1
Of tongue, recurrent	1							1	1	
Of tonsil		1		1			1		1	

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SURGICAL DISEASES.

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		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Carcinoma ventriculi	....	1	....	1	....	....	....	1	1	....
Epithelioma of ear	....	....	1	1	....	1	..	....	1	....
Of face	....	1	....	1	1	....	....	....	1	....
Of hand	....	1	....	1	....	1	....	....	1	....
Of larynx	....	1	....	1	....	....	1	....	1	....
Of lip	1	3	....	3	2	2	....	....	4	....
Of nose	....	2	....	2	2	....	....	....	2	....
Of orbital region	....	1	....	1	....	....	....	....	....	1
Of tongue	....	2	....	2	1	1	....	....	2	....
Sarcoma, multiple	1	3	....	3	....	1	1	2	4	....
Of heel, spindle celled	....	....	1	1	....	....	....	....	....	1
Lympho-sarcoma of neck and chest	....	....	1	1	....	....	....	....	....	1
Tumor in groin	....	1	....	1	....	1	....	....	1	....
Of testicle	....	1	...	1	1	....	....	....	1	....
NON-MALIGNANT TUMORS.										
Hematoma of back	....	1	....	1	....	....	....	....	....	1
Of face	....	1	....	1	1	....	....	....	1	....
Of pelvis	....	....	1	1	1	....	...	....	1	....
Lipoma of arms	....	....	1	1	1	....	....	....	1	....
Of back	....	1	....	1	1	....	....	....	1	....
Of gluteal region	....	....	1	1	....	....	....	....	....	1

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SURGICAL DISEASES.

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		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
INJURIES.										
OF THE HEAD.										
Lacerated wound of ear	....	2	....	2	....	2	....	....	2	....
Of eyebrow	....	1	....	1	1	....	....	....	1	....
Of forehead	....	....	....	....	....	....	....	....	....	....
Of forehead with contusion of eye	....	1	....	1	....	1	....	....	1	....
Of forehead, with contusion of face	....	....	1	1	1	....	....	....	1	....
Of scalp	2	9	....	9	3	6	2	...	11	....
Of scalp, with ecchymosis of eye	....	1	....	1	....	1	....	....	1	....
Of scalp, with sebaceous cyst of neck	....	1	....	1	1	....	....	....	1	....
Of scalp, with contusion of back and foot	....	1	....	1	1	....	....	....	1	....
Of scalp, with concussion of brain	....	2	....	2	....	2	....	....	2	....
Of scalp, with epilepsy (grand mal)	....	1	...	1	1	....	....	....	1	....
Of scalp, with contusion of shoulder	....	1	....	1	....	1	....	....	1	....
Lacerated, contused wound of scalp	....	1	....	1	1	....	....	....	1	....
Lacerated wound of temple	....	1	....	1	1	....	...	....	1	....
Contusion of head	1	1	....	1	2	....	....	....	2	....
Of scalp and face	....	1	....	1	1	....	....	....	1	....

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SURGICAL DISEASES.

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		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Contusion of head and lacerated wound of ear	....	....	1	1	....	1	....	....	1	....
Contused wound of scalp	....	1	....	1	....	1	....	....	1	....
Incised wound of forehead	....	1	....	1	1	....	....	....	1	....
Of head	....	1	1	2	1	1	....	....	2	....
Of scalp	1	1	....	1	1	1	....	....	2	....
Gunshot wound of scalp	....	1	....	1	....	1	....	....	1	....
Of temple, with fracture of skull	....	1	....	1	1	....	....	....	1	....
Of occipital and cheek regions, with fracture of maxilla	....	....	1	1	....	1	....	....	1	....
Fracture of skull	....	1	....	1	....	1	....	....	1	....
Of skull, old	....	1	....	1	....	....	....	....	....	1
Of skull, with lacerated wound of scalp	....	1	....	1	....	....	....	....	....	1
OF THE FACE.										
Fracture of inferior maxilla	1	6	....	6	5	1	....	....	6	1
Ununited	....	1	....	1	....	1	....	....	1	....
Double	....	1	....	1	....	1	....	....	1	....
Fracture of malarbone with rupture of eyeball	....	....	1	1	....	1	....	....	1	....
Fracture of nasal bone	....	2	....	2	1	1	....	....	2	....
Contusion of face	....	....	1	1	1	....	....	....	1	....
Of face and eye	....	1	....	1	....	1	....	....	1	....
Of face and hands	....	1	....	1	1	....	....	....	1	....

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SURGICAL DISEASES.

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		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Contusion of nose	....	1	..	1	....	1	....	....	1	....
Contused wound of inferior maxilla	....	....	1	1	1	....	....	....	1	....
Lacerated wound of cheek	....	1	....	1	1	....	....	....	1	....
Of cheek, with contusion of eye.	....	1	....	1	1	....	....	....	1	....
Of face	....	2	....	2	1	1	....	....	2	....
Of face and arm	1	....	....	....	1	....	....	....	1	....
Of lip	....	2	....	2	2	....	....	....	2	....
Lacerated, contused wound under eye	....	1	....	1	1	....	....	....	1	....
Burn of face, 1st degree	....	1	....	1	....	1	....	....	1	....
And arms and back, 1st and 2d degree	....	1	.	1	....	1	....	....	1	....
And body, extensive	....	....	1	1	....	....	....	1	1	....
And chest, 2d degree	....	1	....	1	1	....	....	....	1	....
And hands, 1st degree	....	1	....	1	....	1	....	....	1	....
And hand, carbolic acid	....	....	1	1	....	....	1	....	1	....
OF THE EYE.										
Contusion of eye	....	2	1	3	2	1	....	....	3	....
Gunshot wound of eye and hand	....	1	....	1	1	....	....	....	1	....
OF THE NECK.										
Fracture of cervical vertebrae	....	1	....	1	1	....	....	....	1	....
Gunshot wound of neck	....	1	....	1	....	1	....	....	1	....
Incised wound of throat	....	1	....	1	....	....	....	....	....	1
Of throat and wrist	....	1	....	1	1	....	....	....	1	....

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SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Lacerated wound of neck	....	3	1	4	3	1	....	....	4	....
OF THE BACK.										
Contusion of back	2	16	1	17	10	8	....	....	18	1
Of back and thigh	....	1	....	1	....	1	....	....	1	....
Sprain of back	....	7	....	7	2	4	...	....	6	1
Of back and hip	....	1	....	1	....	1	...	....	1	....
Of back, with lacerated wound of occiput and abrasion of scalp	....	1	....	1	....	1	...	....	1	....
Burn of back, 3d degree	....	1	....	1	....	1	....	....	1	....
OF THE CHEST.										
Fracture of ribs	....	14	....	14	9	4	....	....	13	1
And lacerated wound of scalp	...	1	....	1	....	....	....	....	....	1
Contusion of chest	....	4	1	5	3	2	....	....	5	....
Of chest with lacerated wound of scalp	....	1	....	1	1	....	.. .	....	1	....
Of ribs	2	3	...	3	3	2	....	....	5	....
Of ribs with sprain of ankle	....	1	....	1	1	....	....	....	1	....
Of side	....	4	....	4	1	3	....	....	4	....
Of side with wound of scalp	....	1	....	1	1	....	....	....	1	....
Incised wound of chest	....	1	....	1	....	1	....	....	1	....
Gunshot wound of chest	.. .	1	....	1	.. .	1	....	....	1	....
Burn of side and body	....	1	....	1	1	....	....	....	1	....
OF THE ABDOMEN.										
Contusion over hypogastrium	....	....	1	1	1	....	....	....	1	....
Incised wound of abdomen	....	2	....	2	1	1	....	....	2	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Luxation of ensiform cartilage	....	2	....	2	1	....	1	....	2	....
Penetrating stabwound of abdomen	....	1	....	1	1	....	....	....	1	....
OF THE PELVIS AND GENITALS.										
Fracture of crest of ilium with dislocation of clavicle	....	1	....	1	....	....	....	....	....	1
Contusion of perineum	....	1	....	1	....	....	1	....	1	....
Contusion of testicles	1	1	....	1	2	....	....	....	2	....
Burn of scrotum	1	....	....	....	1	....	....	....	1	....
OF THE UPPER EXTREMITIES.										
Fracture of clavicle	....	11	1	12	7	5	....	....	12	....
Of clavicle and radius	....	1	....	1	..	1	....	....	1	....
Of humerus	....	3	3	6	4	1	1	...	6	....
Of humerus, intracondyloid	....	1	....	1	...	1	....	...	1	....
Of humerus, radius and ulna	1	....	....	....	....	1	....	....	1	....
Of surgical neck of humerus	1	....	....	....	1	....	....	....	1	....
Of radius	1	5	...	5	4	1	....	....	5	1
Of radius (Colle's)	....	6	10	16	11	3	1	....	15	1
Of radius with dislocation of wrist	....	1	....	1	....	1	....	....	1	....
Of radius and ulna	....	....	1	1	1	....	....	...	1	....
Of scapula	....	1	....	1	1	....	....	....	1	....
Of ulna	....	1	....	1	1	....	....	....	1	....
Of condyle at elbow with dislocation of radius and ulna	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Fracture of metacarpal bone, with lacerated wound of scalp	....	1	....	1	....	1	....	....	1	....
Sprain of shoulder	....	2	...	2	....	2	....	....	2	....
Of shoulder, old	....	1	....	1	...	1	....	....	1	....
Of wrist	....	3	1	4	1	1	1	....	3	1
Of wrist and shoulder	....	1	....	1	1	....	....	...	1	....
Dislocation of clavicle	....	6	..	6	2	2	1	....	5	1
Of elbow	....	1	..	1	1	...	....	...	1	....
Of humerus	....	3	1	4	3	...	1	...	4	....
Of humerus, old	1	....	....	....	....	....	1	....	1	....
Of shoulder	....	5	2	7	5	1	...	....	6	1
Contusion of arm	....	1	....	1	....	1	....	....	1	....
Of hand	....	1	....	1	1	....	....	....	1	....
Of hand and chest	....	1	...	1	....	1	....	....	1	.. .
Of shoulder	1	14	1	15	7	8	....	...	15	1
Of shoulder, old	....	1	....	1	....	1	....	....	1	....
Contused wound of wrist	....	1	..	1	1	....	....	....	1	....
Gunshot wound of arm	....	2	....	2	2	....	....	....	2	...
Of hand	....	1	....	1	....	1	....	....	1	....
Of shoulder	....	1	....	1	1	....	....	....	1	....
Incised wound of arm	....	2	...	2	2	....	....	....	2	....
Of hand	....	1	....	1	1	....	....	....	1	....
Of wrist	....	1	....	1	....	1	....	...	1	....
Of wrist and chest	....	1	....	1	1	....	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Infected wound of hand	....	5	....	5	2	3	....	....	5	....
Of hand with carbuncle of neck	....	1	....	1	....	1	....	....	1	....
Lacerated wound of hand	....	2	....	2	2	....	....	....	2	....
Of finger	....	1	....	1	1	....	....	....	1	....
Laceration of finger	....	2	....	2	....	2	....	....	2	....
Of hand	....	1	....	1	....	1	....	....	1	....
Resection of elbow joint	1	....	....	....	....	....	....	1	1	....
Of shoulder	1	....	....	....	1	....	....	....	1	....
Scald of hand	....	1	....	1	1	....	....	....	1	....
Burn of arm, 1st degree	....	1	....	1	1	....	....	....	1	....
Of arm, 2d degree	....	1	....	1	1	....	....	....	1	....
Of arm, 3d degree	....	....	1	1	1	....	....	....	1	....
Of arm and hand, 1st degree	....	....	1	1	....	1	....	....	1	....
Of arm and side, 3d degree	1	....	....	....	1	....	....	....	1	....
Of hand, 2d degree	....	1	....	1	1	....	....	....	1	....
OF THE LOWER EXTREMITIES.										
Fracture of femur	2	7	....	7	6	2	....	....	8	1
Of femur, compound	2	1	....	1	2	1	....	....	3	....
Of femur, extracapsular	....	1	....	1	1	....	....	....	1	....
Of femur, extracapsular, old	....	1	....	1	....	....	1	....	1	....
Of femur, intracapsular	1	9	1	10	4	2	1	1	8	3
Of femur, multiple	1	....	....	....	1	....	....	....	1	....
Of femur, supra-condyloid	....	1	....	1	....	1	....	....	1	....
Of neck of femur	3	....	1	1	4	....	....	....	4	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Fracture of neck of femur, old	....	1	...	1	....	....	1	....	1	...
Of neck of femur, impacted	....	....	1	1	....	1		....	1	....
Of shaft of femur	....	1	....	1	....	....	....	....	....	1
Of tibia	2	10	1	11	7	3	....	....	10	3
Of tibia, old	....	1	....	1	....	1	....	....	1	....
Of tibia, compound comminuted	....	1	...	1	....	....	...	....	....	1
Of tibia with traumatic cataract	....	1	....	1	1	....	....	....	1	...
Of tibia and fibula	....	15	2	17	8	6	....	....	14	3
Of tibia and fibula, old	....	1	....	1	....	1	...	...	1	....
Of tibia and fibula, compound	3	4	1	5	5	2	....	....	7	1
Of tibia and fibula, compound, both legs	....	1	....	1	1	....	...	....	1	....
Of tibia and fibula, compound comminuted	....	1	....	1	...	....	....	....	...	1
Of tibia and fibula, and both astragali	....	1	....	1	....	1	....	...	1	....
Of fibula	....	3	....	3	2	1	....	....	3	....
Of fibula (Pott's)	....	14	2	16	12	1	....	....	13	3
Of fibula (Pott's), old	....	1	....	1	....	1	....	....	1	....
Of fibula (Pott's) with asthma and emphysema	1	....	....	....	....	....	...	1	1	....
Of patella	2	3	....	3	4	1	....	..	5	....
Of patella, transverse	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Fracture of astragalus	....	1	....	1	1	....	....	....	1	....
Of metatarsal bone	1	1	....	1	1	1	....	....	2	....
Of tarsal bone, comminuted	....	1	....	1	....	1	....	....	1	....
Of phalanx of toe, compound	....	1	....	1	1	....	....	....	1	....
Sprain of ankle	3	49	8	57	31	24	3	....	58	2
Of ankle and back	....	1	....	1	....	1	....	....	1	....
Of ankle with contusion of leg	....	2	....	2	1	....	....	....	1	1
Of ankle and knee	....	1	....	1	....	1	....	....	1	....
Of ankle and shoulder	....	....	1	1	1	....	....	....	1	....
Of ankle and wrist	....	1	....	1	....	1	....	....	1	....
Of hip	....	1	1	2	1	1	....	....	2	....
Of knee	....	5	....	5	2	3	....	....	5	....
Dislocation of femur	....	....	1	1	1	....	....	....	1	....
Of tibia	....	1	....	1	1	....	....	....	1	....
Of foot, inward	1	....	....	....	1	....	....	....	1	....
Of knee, internal lateral	....	1	....	1	....	1	....	....	1	....
Abrasion of stump	....	1	....	1	1	....	....	....	1	....
Gunshot wound of foot	....	1	....	1	....	....	....	....	....	1
Of hip	....	1	....	1	1	....	....	....	1	....
Of knee	....	2	....	2	1	1	....	....	2	....
Infected wound of foot	....	3	....	3	2	1	....	....	3	....
Of leg	....	2	....	2	1	1	....	....	2	....
Of toe	....	1	....	1	1	....	....	....	1	....
Lacerated wound of foot	....	1	....	1	1	....	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Lacerated wound of foot, with contusion of leg	1	....	....	....	....	1	....	....	1	....
Of knee	....	1	....	1	....	....	....	....	....	1
Of leg	....	1	....	1	1	....	..	....	1	....
Of leg with concussion of brain	....	1	....	1	....	1	...	....	1	....
Penetrating wound of instep	....	1	....	1	1	....	....	....	1	..
Punctured wound of foot	1	4	....	4	2	2	1	....	5	....
Of leg	....	1	..	1	1	....	....	....	1	....
Of thigh	....	1	....	1	1	....	....	....	1	....
Rupture of internal lateral ligament of knee	....	2	....	2	1	....	....	..	1	1
Crushed foot	...	2	....	2	1	....	....	....	1	1
Contusion of ankle	....	2	....	2	....	1	....	....	1	1
Of foot	....	10	...	10	6	4	....	....	10	....
Of foot with laceration	....	1	....	1	....	1	....	...	1	....
Of hip	....	6	1	7	3	4	....	....	7	....
Of hip, old	....	1	....	1	....	....	1	....	1	....
Of hip and eye	....	1	....	1	...	....	....	....	....	1
Of knee	....	6	....	6	4	1	....	...	5	1
Of leg	..	8	1	9	4	3	1	....	8	1
Of leg and parietal region	....	1	....	1	1	....	....	....	1	....
Of leg and thigh	...	1	....	1	....	1	..	....	1	....
Of malleolus	....	....	1	1	1	....	...	....	1	....
Of thigh	...	4	....	4	2	2	....	....	4	....
Of toe	...	5	....	5	2	2	1	....	5	....
Scald of foot	....	1	...	1	1	....	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Scald of foot, with traumatic ulcer of leg	....	1	....	1	1	....	....	....	1	....
Burn of foot, 1st degree	....	1	....	1	1	....	....	....	1	....
Of leg, 1st degree	....	1	....	1	1	....	....	....	1	....
Of leg, 2d degree	....	2	....	2	1	....	....	....	1	1
Of leg, 3d degree	1	1	....	1	1	1	....	....	2	....
Of leg, carbolic acid	....	1	....	1	1	....	....	....	1	....
Of knee, cantharidal	....	....	1	1	....	1	....	....	1	....
OF THE SKIN.										
Dermatitis venenata	....	1	....	1	....	....	....	....	....	1
Eczema, general	....	2	....	2	....	2	....	....	2	....
Of face	....	1	....	1	1	....	....	....	1	....
Of head and body	....	1	....	1	....	....	....	....	....	1
Of leg	....	6	....	6	2	4	....	....	6	....
Of scalp, chronic	....	1	....	1	....	1	....	....	1	....
Of scrotum	....	1	....	1	....	1	....	....	1	....
Erythema multiforma	....	1	....	1	....	1	....	....	1	....
Furunculosis	....	1	....	1	1	....	....	....	1	....
Herpes Zoster	....	....	1	1	1	....	....	....	1	....
Pediculosis corporis	....	7	....	7	5	2	....	....	7	....
Psoriasis	....	2	....	2	1	1	....	....	2	....
FUNCTIONAL DISEASES OF THE NERVOUS SYSTEM.										
Sciatica	....	1	....	1	....	1	....	....	1	....
Traumatic delirium	....	1	....	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
OF THE FEMALE BREAST.										
Abscess	....	....	1	1	....	1	....	....	1	....
Carcinoma	....	....	7	7	1	....	2	3	6	1
VENEREAL DISEASES.										
Bubo, chancroidal	1	20	2	22	12	7	1	....	20	3
With phimosis	....	2	....	2	1	1	....	....	2	....
Gonorrheal	1	6	....	6	5	1	1	...	7	...
Syphilitic	....	2	....	2	1	1	....	....	2	....
Chancre	....	1	.. .	1	1	....	....	....	1	....
With phimosis	....	1	....	1	....	1	....	....	1	....
With necrosis of tibia	....	1	....	1	....	1	....	....	1	....
With syphilitic bubo	....	1	....	1	1	....	....	....	1	....
Chancroids	....	5	1	6	4	2	....	...	6	....
With bubo	....	1	...	1	1	....	....	....	1	....
Chancroids, with phimosis	....	7	....	7	3	1	....	....	4	3
With paraphimosis	....	1	....	1	....	....	1	....	1	....
Chancroidal phimosis	....	1	....	1	....	1	....	....	1	....
Epididymitis	1	....	....	....	1	....	....	....	1	....
Gonorrheal	....	3	....	3	2	1	....	....	3	....
Gonorrheal orchitis	....	18	....	18	12	4	1	....	17	1
Gonorrhea	1	8	....	8	2	6	1	...	9	....
With phimosis	1	....	....	....	1	....	....	..	1	....
With orchitis	....	1	....	1	1	....	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Uninproved	Died	Total	
Syphilis, primary	....	....	2	2	....	2	..	....	2	....
Secondary	....	7	7	14	...	10	1	....	11	3
Secondary with phimosis	....	1	....	1	....	1	....	....	1	....
Tertiary	....	6	4	10	1	7	....	....	8	2
Cerebral	....	1	....	1	..	1	...	....	1	....
Hereditary	....	2	....	2	....	2	....	....	2	....
Syphilitic gumma of mouth	....	1	....	1	....	1	....	....	1	....
Syphilitic tumor of testicle	....	1	....	1	....	1	....	....	1	....
Syphilitic ulcer of palate	....	1	....	1	....	....	1	....	1	....
Venereal warts	.. .	2	....	2	1	1	....	...	2	....
OF THE MALE URETHRA.										
Laceration of urethra	....	1	....	1	....	1	....	....	1	....
Stricture of urethra	3	15	....	15	8	8	2	....	18	....
Organic	....	4	....	4	4	....	..	.	4	....
Spasmatic	....	1	....	1	....	1	....	....	1	....
With intermittent fever	....	1	...	1	....	1	....	...	1	....
With multiple fistulae	1	...	....	....	....	1	....	....	1	....
With perineal fistula	....	2	....	2	....	2	....	....	2	....
With sciatica	....	1	....	1	1	....	....	....	1	....
With perineal abscess	....	1	....	1	....	....	1	....	1	....
Urethritis, acute	....	1	....	1	....	....	....	....	...	1
Chronic	....	1	....	1	...	....	1	....	1	....
Gonorrheal	....	1	....	1	....	1	....	....	1	....
Urinary fistula	....	4	....	4	....	2	2	....	4	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

SURGICAL DISEASES.

DISEASES	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
OF THE GENERATIVE ORGANS.										
Abscess of penis	....	4	...	4	3	1	....	....	4	....
Elongated prepuce	....	1	...	1	1	....	....	....	1	....
Enlarged spermatic gland	....	1	....	1	....	....	....	....	....	1
Epididymitis	....	5	...	5	3	2	....	....	5	....
Suppurative	....	1	..	1	....	....	....	....	....	1
Traumatic	....	1	....	1	....	1	....	....	1	....
With orchitis	....	1	....	1	1	....	....	....	1	....
Fibro-sarcoma of testicle	1	....	....	...	1	....	....	....	1	....
Hydrocele	....	7	....	7	7	....	....	....	7	....
Double, with inguinal hernia	....	1	....	1	1	....	....	....	1	....
Double, of spermatic cord	....	1	....	1	....	....	....	1	1	....
Hypospadia	1	....	....	....	1	....	....	....	1	....
Orchitis	1	14	....	14	9	6	....	....	15	....
Tubercular	....	1	....	1	....	....	....	....	....	1
With epididymitis	....	1	....	1	1	....	....	....	1	....
Phimosis	1	7	....	7	5	2	1	....	8	....
Paraphimosis	....	1	....	1	....	1	....	....	1	....
Tuberculosis of testicle	....	2	....	2	....	1	1	....	2	....
Varicocele	1	17	....	17	13	....	2	....	15	3
With congenital phimosis	....	1	....	1	1	....	....	....	1	....
With inguinal hernia	....	1	....	1	....	....	1	....	1	....
With phimosis	....	1	....	1	1	....	....	....	1	....
UNCLASSIFIED.										
Coroner's cases	....	31	3	34	....	....	....	34	34	....
Not diagnosed	....	1	...	1	....	....	....	....	....	1
Total	132	1222	199	1421	668	525	113	94	1400	153

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

DISEASES OF THE EYE.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
OF THE CONJUNCTIVA.										
Conjunctivitis, acute	1	1	....	1	2	....	....	...	2	....
Chronic	....	1	....	1	....	....	1	....	1	....
Granular	....	1	1	2	....	1	....	....	1	1
Granular, with panophthalmia	....	1	....	1	....	1	....	....	1	....
Purulent	....	1	..	1	1	....	....	....	1	....
Purulent, with purulent rhinitis	...	....	1	1	1	....	....	....	1	....
Pterygium	....	2	....	2	2	....	....	...	2	...
Double	1	....	....	....	1	....	....	....	1	....
OF THE CORNEA.										
Ulcer of cornea	....	1	...	1	....	1	....	....	1	....
Perforating	....	1	....	1	....	1	....	....	1	....
Phlyctenular	....	1	....	1	....	1	....	....	1	....
Traumatic	....	1	....	1	....	1	....	...	1	....
Traumatic, with iritis	....	1	....	1	....	1	....	....	1	....
Keratitis	..	2	....	2	1	....	1	....	2	....
Interstitial	....	1	....	1	...	1	....	....	1	....
Leucoma	1	....	....	....	....	....	1	....	1	...
Sarcoma of cornea	....	1	....	1	....	1	....	....	1	....
Staphyloma	....	1	....	1	....	....	1	....	1	.. .
Foreign body in cornea	....	1	....	1	1	....	....	....	1	....
Macular opacity of cornea	....	1	....	1	....	....	1	....	1	....
OF THE LENS.										
Cataract	2	1	. ..	1	1	2	....	....	3	....
Double	1	1	....	1	1	1	...	..	2	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

DISEASES OF THE EYE.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Cataract, senile	....	10	1	11	7	....	4	....	11	....
Soft	....	4	....	4	1	2	....	...	3	1
Traumatic	....	1	...	1	....	1	....	...	1	....
Traumatic, with leucoma	....	1	....	1	....	1	....	....	1	....
Calcareous, with chronic iritis	....	1	...	1	....	....	1	....	1	....
OF THE GLOBE.										
Panophthalmia	....	3	...	3	3	....	....	..	3	....
Blepharitis, ulcerative	1	...	....	....	....	1	....	....	1	....
Trachoma	1	3	....	3	....	3	....	....	3	1
With rheumatic iritis	....	1	....	1	....	1	....	....	1	....
Ectropion	....	1	....	1	....	....	1	...	1	....
With immature cataract of both eyes	....	1	...	1	....	....	1	....	1	....
Ecchymosis	....	....	1	1	1	....	....	...	1	....
Abscess of eyelids	....	2	....	2	....	1	....	....	1	1
Palpebral adhesion to stump of enucleated eye	1	....	....	....	....	....	1	....	1	....
OF THE IRIS, CILIARY BODY AND CHOROID.										
Iritis, acute	....	2	....	2	1	1	....	....	2	....
Chronic	1	1	....	1	....	1	1	....	2	....
Chronic, with traumatic cataract	....	1	....	1	....	1	...	....	1	....
Rheumatic	....	3	...	3	....	2	1	....	3	....
Syphilitic	1	9	....	9	2	7	....	....	9	1

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

DISEASES OF THE EYE.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Iritis, traumatic	....	1	....	1	....	1	....	....	1	....
Traumatic, with ulcer of cornea	....	1	....	1	....	1	....	....	1	....
With ulcer of cornea	....	1	....	1	....	1	....	....	1	....
Choroiditis	....	1	....	1	....	....	1	....	1	....
Cyclitis, with iritis and ulcer of cornea	....	1	....	1	....	....	....	....	....	1
OF THE RETINA AND OPTIC NERVES.										
Retinitis, with paralysis of external rectus of eye	....	1	....	1	....	1	....	....	1	....
With choroiditis and atrophy of optic nerves	....	1	....	1	....	1	....	....	1	....
Optic atrophy	2	....	....	....	....	....	2	....	2	....
Double	1	....	....	....	....	....	1	....	1	....
Atrophy of optic nerve	....	6	....	6	....	4	2	....	6	....
With multiple fibroma of skin	....	1	....	1	....	....	1	....	1	....
Atrophy of eyeball	....	1	....	1	1	....	....	....	1	....
Homonomous hemianopsia	1	....	....	....	....	1	....	....	1	....
UNCLASSIFIED.										
Carcinoma of eye	....	1	....	1	....	....	....	....	....	1
Enucleation of eyeball	1	....	....	....	....	1	....	....	1	....
Total	16	81	4	85	27	45	22	....	94	7

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

GYNECOLOGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
OF THE VULVA AND VAGINA.										
Vaginitis	....	....	3	3	1	2	....	....	3	...
Gonorrheal	....	....	5	5	1	4	....	....	5	....
With vaginismus	....	....	1	1	....	1	....	...	1	....
Vulvitis, gonorrheal	....	...	1	1	....	1	....	....	1	....
Vulvo-vaginal abscess	....	...	1	1	....	....	1	....	1	....
OF THE UTERUS.										
Metritis, acute	....	....	1	1	....	...	1	..	1	...
Chronic	....	....	2	2	1	1	....	....	2	....
Parametritis	....	....	2	2	....	2	....	....	2	....
Endometritis, acute	....	....	7	7	3	1	3	....	7	....
With retroflexion	1	....	....	....	..	1	....	....	1	...
With salpingitis	....	....	1	1	....	1	...	....	1	....
Chronic	....	....	4	4	1	3	....	....	4	....
Chronic corporeal	....	....	1	1	1	....	....	...	1	....
Fungoid	....	....	1	1	1	....	....	....	1	....
Gonorrheal	....	....	1	1	....	1	....	....	1	..
Hemorrhagic	....	...	2	2	....	2	...	....	2	....
Endocervicitis, acute	....	....	3	3	1	2	....	....	3	....
Chronic	....	..	4	4	....	4	....	....	4	....
Purulent	....	....	1	1	.	1	....	...	1	....
Retroversion	....	....	5	5	3	1	....	....	4	1
With laceration of perineum	....	....	2	2	2	..	...	....	2	....
Retroflexion	....	....	6	6	2	4	....	....	6	....
With laceration of perineum	....	....	1	1	....	....	1	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

GYNECOLOGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Anteflexion	1	....	....	...	1	....	....	..	1	....
With cystitis	1	....	....	....	....	....	....	....	....	1
Laceration of cervix	....	....	5	5	3	1	1	....	5	....
With laceration of perineum	....	....	8	8	7	....	....	....	7	1
Laceration of perineum	....	....	6	6	3	1	1	....	5	1
With laceration of rectum	1	....	....	....	1	....	....	...	1	....
Carcinoma uteri	....	....	9	9	1	2	1	2	6	3
Epithelioma uteri	1	....	....	....	....	1	....	....	1	....
Prolapsus uteri	....	....	4	4	2	....	2	....	4	...
Stenosis uteri	....	....	1	1	....	....	1	....	1	....
Of cervix uteri with dysmenorrhea	....	....	1	1	1	....	....	....	1	....
Fibroid of uterus	....	....	3	3	2	1	....	....	3	....
With cystic ovaries	....	....	1	1	1	..	....	....	1	....
Extra-uterine pregnancy	....	....	2	2	1	....	....	....	1	1
OF THE UTERINE APPENDAGES.										
Oophoritis, acute	3	....	2	2	1	3	...	....	4	1
Chronic	....	....	1	1	1	....	...	....	1	....
With epilepsy, grand mal	....	....	1	1	....	1	....	....	1	....
Chronic, with salpingitis	....	....	1	1	....	1	....	....	1	....
Cyst of ovary	....	....	3	3	1	....	....	1	2	1
And tubes	....	...	1	1	...	....	....	....	....	1

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

GYNECOLOGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Prolapse of ovary	1	....	1	1	1	1	....	....	2	....
Fibro-sarcoma of clitoris	....	....	1	1	....	1	....	....	1	....
Salpingitis, acute	....	....	2	2	1	1	....	....	2	....
Chronic	3	....	2	2	3	2	....	....	5	....
Salpingo-ovaritis	....	....	1	1	1	....	....	....	1	....
Pyosalpinx	....	....	3	3	....	1	1	....	2	1
Pelvic abscess	....	....	1	1	....	....	1	....	1	....
Pelvic cellulitis, acute	....	....	9	9	4	3	1	....	8	1
Chronic	....	....	2	2	1	1	....	....	2	....
Pelvic hematocele	1	....	....	....	....	1	....	....	1	....
Pelvic peritonitis	....	....	3	3	...	2	1	....	3	....
Septic peritonitis following removal of ovaries and uterus for fibroid uterus	....	....	1	1	....	....	....	1	1	....
FUNCTIONAL DISEASES.										
Dysmenorrhea	....	....	1	1	1	....	....	....	1	....
Menorrhagia, acute	....	....	1	1	1	....	....	....	1	....
Chronic	....	....	1	1	1	....	...	....	1	....
Metrorrhagia	....	....	3	3	2	....	....	....	2	1
DISEASES OF PREGNANCY AND PUERPERAL STATE.										
Abortion	...	....	12	12	10	....	....	....	10	2
Threatened	....	....	5	5	5	....	....	....	5	....
After childbirth	....	....	7	7	6	1	....	....	7	....
And morphinism	....	...	1	1	....	1	....	....	1	....

REPORT OF CASES TREATED AT THE CITY AND COUNTY HOSPITAL.

GYNECOLOGICAL DISEASES.

DISEASES.	In Hospital July 1, 1897	ADMITTED.			DISCHARGED.					Remaining in Hospital June 30, 1898
		Male	Female	Total	Cured	Improved	Unimproved	Died	Total	
Retained placenta	....	....	5	5	5	....	....	....	5	....
Retained membranes	....	....	3	3	3	....	....	....	3	....
Total	13	....	169	169	88	58	16	4	166	16

OBSTETRICAL CASES.

DISEASES.	In Hospital July 1, 1897	Admitted	Total	Delivered	DISCHARGED.				Remaining in Hospital June 30, 1898
					Cured	Left Before Confinement	Died	Total	
Pregnancy	21	139	160	124	132	10	....	142	18
With dystocia	.....	1	1	1	....	....	1	1	.....
With chronic parenchymatous nephritis	.....	1	1	1	1	...	...	1	.....
With puerperal septicemia	.....	1	1	1	....	....	1	1	.....
With gunshot wound of neck	.....	1	1	1	1	....	....	1	.....
With secondary syphilis	.....	1	1	1	1	....	....	1	.....
With puerperal eclampsia	.....	1	1	1	1	....	....	1	.....
Followed by thrombosis of femoral vein	.....	1	1	1	1	....	....	1	.....
Total	21	146	167	131	137	10	2	149	18

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
ACUTE GENERAL INFECTIOUS DISEASES.			
Typhoid fever	9	1	10
With intestinal perforation	1	.....	1
Diphtheria	1	.....	1
Erysipelas of face	.....	1	1
Of face, with chronic diarrhea	1	.....	1
Of head	1	.....	1
DIATHETIC DISEASES AND DISEASES OF NUTRITION.			
Marasmus, infantile	.....	1	1
Senile	1	.....	1
Diabetes mellitus	4	.....	4
Mellitus, with gangrene of foot	1	.....	1
Rheumatoid arthritis	.....	1	1
Syphilis, late secondary	1	.....	1
Congenital	.....	1	1
General tuberculosis	4	1	5
DISEASES OF THE RESPIRATORY SYSTEM.			
OF THE BRONCHI.			
Bronchitis, septic	1	.....	1
With cerebral softening	.....	1	1
Asthma	2	.....	2
With dilatation of heart	1	.....	1
OF THE LUNGS.			
Tuberculosis pulmonalis	130	28	158
Miliary	2	.....	2
And laryngeal	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Tuberculosis pulmonalis, and rectal	1	.....	1
And of knee	.....	1	1
And of shoulder and knee	1	.....	1
With chronic enteritis	1	.....	1
With epilepsy	.....	1	1
With pulmonary hemorrhage	2	.....	2
With multiple neuritis	.....	1	1
With tubercular meningitis	1	.....	1
Pneumonia, lobar	28	2	30
Lobar, double	4	.....	4
Lobar, with mitral incompetence	2	.....	2
Suppurative	1	.....	1
Hypostatic	2	4	6
Hypostatic, with atheroma	.....	1	1
Hypostatic, with enteritis	1	.....	1
Chronic interstitial	1	.....	1
Broncho-pneumonia	2	1	3
With abscess of liver	.....	1	1
Suppurative	1	.....	1
Septic, following laryngotomy	1	.....	1
With fractured rib	1	.....	1
Pulmonary hemorrhage with aneurism of aorta	1	.....	1
Abscess of lung	1	.....	1
Atelectasis	1	.....	1
Congestion of lungs, with hemorrhage	1	.....	1
Emphysema of lungs with dilatation of heart	1	.....	1
Gangrene of lung	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
OF THE MOUTH AND PHARYNX.			
Carcinoma of superior maxilla	1	.....	1
Of pharynx	1	.....	1
Of tongue	1	.....	1
Of tongue, recurrent	1	.....	1
OF THE LARYNX.			
Carcinoma of larynx and neck	1	.....	1
Laryngitis, tubercular	1	1	2
OF THE PLEURA.			
Pleuritis, with effusion	1	.....	1
With effusion, double	1	.....	1
Tubercular	1	.....	1
Purulent	2	.....	2
DISEASES OF THE CIRCULATORY SYSTEM.			
OF THE HEART AND ITS MEMBRANES.			
Endocarditis, with acute nephritis	1	.....	1
With chronic interstitial nephritis	1	.....	1
Septic	1	.....	1
Ulcerative	1	.....	1
Pericarditis	1	.....	1
With congestion of liver	1	.....	1
With pleuritis sicca	1	.....	1
With effusion	1	.....	1
Heart, fatty degeneration of	.....	1	1
Senile	1	.....	1
Fatty, with acute bronchitis	.....	1	1
Degeneration of cardiac muscle	.....	1	1
Angina pectoris	.....	1	1
Patulous foramen ovale	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Heart, mitral incompetence of	14	2	16
Aortic incompetence of	6	1	7
Aortic incompetence of, with articular rheumatism	1	.....	1
Aortic and mitral incompetence of	2	1	3
Mitral incompetence, aortic stenosis, and incompetence of	6	.....	6
Mitral stenosis, and incompetence of	1	.....	1
Mitral incompetence and aortic stenosis of	1	.....	1
Mitral incompetence of, and pleuritis with effusion	1	.....	1
Aortic incompetence, aortic and mitral stenosis of	1	.....	1
Dilatation of	2	1	3
Dilatation of from atheroma of arteries	1	.....	1
OF THE BLOOD-VESSELS.			
Aneurism of aorta	1	.....	1
Of arch of aorta	1	.....	1
Of thoracic aorta	2	.....	2
Atheroma, general	1	.....	1
General, with cerebral softening	.....	1	1
Gangrene, diabetic, of leg	1	.....	1
Of foot, with septicemia	.....	1	1
Senile, with anesthetics	.....	1	1
Thrombosis of femoral vein, with gangrene	.....	1	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
OF THE BLOOD.			
Anaemia, acute, from sarcoma of neck..	1	.....	1
Pernicious	1	.....	1
Leucocythemia	1	.....	1
Septicemia, puerperal.....	.....	2	2
Resulting from external burn.....	.....	1	1
From carbuncle of face.....	.....	1	1
Following amputation of leg.....	.....	1	1
From urinary fistula.....	1	.....	1
Pyemia	2	1	3
DISEASES OF THE LIVER, ETC.			
Abscess of liver.....	1	1	2
Carcinoma of liver.....	8	1	9
Of gallducts, with rupture of gall-bladder	1	.....	1
Cirrhosis of liver.....	5	4	9
With chronic interstitial nephritis.....	.....	1	1
DISEASES OF THE DIGESTIVE ORGANS.			
OF THE ESOPHAGUS.			
Carcinoma of esophagus.....	2	.....	2
OF THE STOMACH.			
Carcinoma of stomach.....	7	3	10
With mesentery.....	1	.....	1
OF THE INTESTINES.			
Appendicitis	1	.....	1
Carcinoma of bowels and omentum.....	.....	1	1
Of intestines.....	.....	1	1
Of rectum.....	1	.....	1
Enteritis	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Gastro-enteritis	1	1	2
Strangulated hernia	2	.....	2
Ventral hernia	.....	1	1
Stricture of rectum	1	.....	1
OF THE PANCREAS.			
Abscess of pancreas	.....	1	1
OF THE PERITONEUM.			
Peritonitis, septic, following removal of ovaries and uterus	.....	1	1
Tubercular, with cirrhosis of liver	1	.....	1
Following operation for inguinal hernia	1	.....	1
With bronchitis	.....	1	1
Tuberculosis of peritoneum	1	.....	1
DISEASES OF THE KIDNEY, BLADDER, ETC.			
Nephritis parenchymatous, acute	3	1	4
Parenchymatous, with mitral incompetence	1	.....	1
Parenchymatous, chronic	9	2	11
Parenchymatous, chronic, with cerebral hemorrhage	1	.....	1
Interstitial, acute	1	.....	1
Interstitial, chronic	6	.....	6
Abscess of kidney and pancreas	1	.....	1
Cystic kidney	3	.....	3
Carcinoma of bladder	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Pyelitis	2	1	3
Double	1	.....	1
With cerebral syphilis	1	.....	1
DISEASES OF THE NERVOUS SYSTEM.			
OF THE BRAIN.			
Cerebral abscess	1	.....	1
Degeneration following apoplexy	1	.....	1
Apoplexy	13	3	16
Apoplexy, with hemiplegia	.....	1	1
Meningitis	1	2	3
Meningitis, syphilitic	1	.....	1
Tubercular meningitis	1	.....	1
Meningitis, due to spina bifida	.....	1	1
Cerebral syphilis	2	.....	2
Hemiplegia	1	2	3
Cerebral	1	1	2
With retention of urine	1	.....	1
Paraplegia	1	.....	1
Tumor of the brain	1	.....	1
DISEASES OF THE INTELLECT.			
Senility	6	1	7
With cystitis	2	.....	2
With fracture of femur	.....	1	1
Senile dementia	.....	1	1
DISEASES OF THE SPINE.			
Spinal meningitis	1	.....	1
Tuberculosis of spine	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Syphilis of spinal cord	1	.....	1
NEUROSIS.			
Chorea	.....	1	1
POISONS.			
Acute alcoholism	2	1	3
With chronic nephritis	.....	1	1
With fatty liver	.....	1	1
With hypostatic pneumonia	1	1	2
Chronic alcoholism	.....	1	1
With pneumonia	1	.....	1
Morphinism, chronic	4	.....	4
Plumbism, chronic	1	.....	1
UNCLASSIFIED.			
Carcinoma of breast	.....	3	3
Of face	.....	1	1
Of neck	3	.....	3
Of uterus	.....	2	2
Sarcoma, multiple	2	.....	2
Carbuncle of back	1	.....	1
Of neck	1	.....	1
Phlegmon of leg	1	.....	1
Dystocia	.....	1	1
Extensive burns of body and face	.....	1	1
Inanition	2	.....	2
General debility	1	.....	1
Senile degeneration	1	.....	1
Eclampsia	1	.....	1

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
Double hydrocele of spermatic cord and operative shock	1	.....	1
Shock following intracapsular fracture of femur	.....	1	1
Surgical shock following removal of ovaries for ovarian cyst	.....	1	1
Surgical shock following amputation of leg	.....	1	1
Abscess of abdomen, with septicemia	1	.....	1
UNDIAGNOSED.			
Coroner's cases	33	2	35
Total	444	120	564

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Adhesions broken up—									
Elbow	1	....	1	....	1	....	....	....	1
Knee	1	....	1	1	....	....	....	....	1
Amputations—									
Arm	2	....	2	2	....	....	....	....	2
Hand	3	....	3	3	....	....	....	....	3
Fingers	3	....	3	2	1	....	....	....	3
Thigh	8	....	8	5	....	....	2	1	8
Leg	9	3	12	5	5	....	1	1	12
Toes	6	....	6	4	1	....	1	....	6
Circumcisions	20	....	20	16	1	....	3	....	20
Curettage—									
Necrosis of maxilla	2	....	2	1	1	....	....	....	2
Of os calcis	3	....	3	....	3	....	....	....	3
Of rib	1	....	1	1	....	....	....	....	1
Of sternum	1	....	1	1	....	....	....	....	1
Of tibia	1	....	1	....	1	....	....	....	1
Elbow	1	....	1	....	1	....	....	....	1
Lymphangitis of chest	1	....	1	1	....	....	....	....	1
Sinus	6	....	6	2	4	....	....	....	6
Tubercular ostitis of sternum and clavicle	1	....	1	....	....	....	1	....	1
Ulcer in ano	1	....	1	....	1	....	....	....	1
Fissure in ano	....	1	1	....	....	....	1	....	1

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Curettage—Continued:									
Uterus	....	24	24	19	2	....	3	....	24
Curettage and Cauterization—									
Bubo	1	....	1	....	....	....	1	....	1
Dislocations reduced—									
Clavicle	1	....	1	1	....	...	....	....	1
Humerus	2	...	2	1	1	....	....	....	2
Excisions—									
Cervical glands	7	3	10	5	5	....	....	....	10
Spermatic glands	1	....	1	..	....	....	1	....	1
Inguinal glands	1	1	2	2	...	....	....	....	2
Thyroid glands	1	....	1	1	....	....	....	....	1
Cervix uteri	....	1	1	....	1	....	....	....	1
Lipoma over trochanter	....	1	1	....	....	...	1	....	1
Malignant growth of neck	2	....	2	2	....	...	....	....	2
Myoma of uterus and ovaries	....	1	1	1	...	....	....	....	1
Palmar fascia	2	....	2	1	....	...	1	....	2
Papillomata recti	2	....	2	1	1	....	....	....	2
Testicle	4	....	4	4	....	....	....	....	4
Tumor of chest	1	....	1	1	....	....	....	....	1
Of neck	....	1	1	1	....	....	....	....	1
Of testicle	1	...	1	....	1	....	....	....	1
Ulcer of foot, perforating	....	1	1	1	....	...	....	....	1
Varicose veins	5	3	8	6	1	....	1	....	8
Venereal warts	1	....	1	...	1	....	...	....	1

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Excisions—Continued:									
Wen on vertex	1	....	1	1	....	....	....	....	1
Fibula	1	....	1	....	1	....	..	....	
End of femur	1	....	1	..	1	....	....	....	1
Head of tibia and fibula	1	....	1	....	...	....	....	1	1
Malarbone	1	....	1	....	1	...	....	....	1
Os calcis	1	1	2	1	1	....	....	....	2
Part of inferior maxilla	1	....	1	1	....	....	....	....	1
Rib	1	....	1	....	....	....	1	....	1
Floating cartilage in knee joint	2	....	2	....	2	...	....	....	2
Necrotic bone of skull	1	....	1	....	1	....	.. .	....	1
Phalanx	1	....	1	1	....	....	....	....	1
Fibula	1	....	1	....	....	....	1	....	1
Tibia	2	....	2	....	1	....	1	....	2
Ulna	1	....	1	....	1	....	....	....	1
Eye—									
Cataract removed	11	....	11	6	5	....	....	....	11
Enucleation	11	1	12	6	5	....	1	....	12
Extraction and iridectomy	1	....	1	1	....	....	....	....	1
Iridectomy	5	....	5	2	2	1	....	....	5
Pterygium	2	....	2	2	....	....	....	....	2
Trachoma curetted	1	....	1	....	1	....	....	....	1
Foreign bodies removed—									
Bullets	2	....	2	2	...	....	....	....	2

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Fractures wired—									
Clavicle	1	....	1	....	1	....	....	....	1
Malarbone	....	1	1	....	1	....	....	....	1
Maxilla, inferior	1	1	2	1	....	...	1	....	2
Tibia	1	....	1	....	1	....	....	....	1
Tibia and fibula	1	....	1	1	....	....	....	....	1
Genito-urinary—									
Dilatation of cervix	....	2	2	1	1	....	....	....	2
Of urethra	2	...	2	....	2	....	....	....	2
Hydrocele aspirated	1	....	1	1	....	....	....	....	1
Radical cure	8	....	8	7	....	....	....	1	8
Hysterectomy, vaginal	....	3	3	3	....	....	....	....	3
Cystocele	....	2	2	1	1	....	....	....	2
Rectocele	1	...	1	1	....	....	....	....	1
Perineal cystotomy	3	....	3	....	1	....	....	2	3
Trachelorrhaphy	...	6	6	6	...	....	....	....	6
Urethrotomy, external	8	....	8	2	6	....	....	....	8
Internal	10	....	10	8	2	....	....	....	10
Varicocele	12	....	12	10	....	....	2	....	12
Herniotomy—									
Inguinal hernia	20	....	20	15	....	....	4	1	20
Strangulated inguinal hernia	4	...	4	3	....	....	....	1	4
Umbilical hernia	....	1	1	1	....	....	....	....	1
Ventral hernia	3	2	5	4	.	...	....	1	5

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Incisions—									
Abscess, abdominal	1		1	1					1
Alveolar	1	1	2	1	1				2
Of arm	1		1	1					1
Axillary	1	1	2	2					2
Of back	1		1	1					1
Bubo	9		9	6	3				9
Of chest	1		1	1					1
Cerebral	1		1		1				1
Of foot		2	2	1	1				2
Of hand	1		1	1					1
Ischio-rectal	9		9	4	3		2		9
Of leg	1		1		1				1
Of liver	1		1		1				1
Lumbar	2		2	1			1		2
Maxillary	2		2	1			1		2
Muitiple	1		1		1				1
Of neck	5		5	4	1				5
Penile	1		1	1					1
Perinephritic	1		1	1					1
Psoas	1		1				1		1
Rectal	1		1	1					1
Of shoulder	1		1		1				1
Of side	1		1	1					1

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Incisions--Continued:									
Abscess of thigh	1	...	1	1	....	....	....	....	1
Urethral	1	....	1	1	....	....	....	....	1
Exploratory	7	1	8	2	1	....	2	3	8
Carbuncle	3	1	4	....	....	....	2	2	4
Cellulitis	....	1	1	...	1	....	..	....	1
Hematoma	1	....	1	....	....	....	....	1	1
Orchitis	3	....	3	2	1	....	....	....	3
Phlebitis	1	....	1	1	....	...	....	...	1
Phlegmon	14	1	15	11	3	....	....	1	15
Pyonephrosis	1	....	1	....	1	...	....	....	1
Thyroid gland	1	....	1	....	1	....	....	....	1
Over sternum for neurasthenia	1	....	1	....	....	...	1	...	1
Incisions and Aspirations—									
Pyenophrosis	1	....	1	....	....	....	....	1	1
Incisions and Curettage—									
Abscess—									
Bubo	6	1	7	6	1	....	....	....	7
Of chest	1	....	1	....	1	....	....	....	1
Of groin	2	....	2	1	....	....	1	....	2
Ischio-rectal	5	....	5	2	2	1	....	....	5
Maxillary	2	....	2	2	....	....	....	....	2
Of neck	2	1	3	3	....	....	....	....	3
Urinary	1	....	1	1	...	....	....	....	1
Bursa of patella	....	1	1	1	....	....	....	....	1

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Incisions and Curettage—Continued:									
Bursa of toe	....	1	1	1	....	....	....	....	1
Carbuncle	1	1	2	2	....	....	....	....	2
Infected finger	1	1	2	1	1	....	....	....	2
Sinus of thigh	1	....	1	....	....	....	1	....	1
Syphilitic frontal bone	....	1	1	....	1	....	....	....	1
Incised and drained—									
Abscess in groin	....	1	1	....	....	....	1	....	1
Epididymitis	1	....	1	....	....	....	1	....	1
Gunshot wound of head	1	....	1	....	1	....	....	....	1
Mastoiditis	6	....	6	....	5	....	1	....	6
Pleura	1	....	1	....	1	....	....	....	1
Suppurative arthritis of knee	....	1	1	....	....	....	....	1	1
Urethral fistula	1	....	1	....	1	....	....	....	1
Urinary fistula	2	....	2	1	1	....	....	....	2
Wound of thigh	1	....	1	....	....	1	....	....	1
Laparotomy—									
Alexander's operation	....	3	3	2	1	....	....	....	3
Appendicitis	5	....	5	4	....	....	1	....	5
Caesarian section	....	1	1	....	....	....	....	1	1
Cholecystotomy	3	....	3	2	....	....	....	1	3
Colotomy	1	....	1	....	....	....	....	1	1
Cystotomy, suprapubic	3	....	3	1	2	....	....	....	3
Exploratory	1	....	1	1	....	1	....	....	1
Hydatid of liver	1	....	1	....	1	....	....	....	1

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Laparotomy—Continued:									
Hysterectomy, abdominal	....	2	2	1	....	....	....	1	2
Ovariotomy	....	5	5	2	1	....	2	....	5
Tubal pregnancy	....	1	1	1	....	....	....	....	1
Ventral fixation	....	2	2	1	1	....	....	....	2
Ventral suspension	....	1	1	....	1	....	....	....	1
Ligation of vessels—									
Varicose veins	4	....	4	3	....	....	....	1	4
Femoral artery	1	....	1	1	....	....	....	....	1
Nephrorrhaphy	....	1	1	1	....	....	....	....	1
Nephrotomy	....	1	1	....	1	....	....	....	1
Paracentesis—									
Abdomen (for Ascites)	1	.	1	....	....	....	....	1	1
Kidney	2	1	3	....	2	....	....	1	3
Knee	1	....	1	....	1	....	....	....	1
Liver	1	....	1	....	1	....	....	....	1
Pleura	1	....	1	....	....	1	....	....	1
Tumor	1	....	1	....	....	1	....	....	1
Perineorrhaphy	....	56	56	49	4	2	1	....	56
Perineorrhaphy and trachelorrhaphy	....	5	5	4	....	....	1	....	5
Plastics—									
Rhinoplasty	6	....	6	2	2	....	2	....	6
Skin graft	12	6	18	12	6	....	....	....	18
Elongation of urethra	....	2	2	....	2	....	....	....	2

REPORT OF SURGICAL OPERATIONS AT THE CITY AND COUNTY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Rectum—									
Fistula ani, cut	5	2	7	4	2	....	1	....	7
Cut and curetted	6	....	6	4	....	....	2	....	6
Hemorrhoids, external—									
Cauterized	1	....	1	1	....	....	....	....	1
Ligated	2	1	3	3	....	....	....	....	3
Ligated and excised	3	1	4	3	....	....	1	....	4
Hemorrhoids, internal—									
Cauterized and ligated	2	....	2	1	1	...	....	....	2
Ligated and excised	5	1	6	5	....	....	1	....	6
Resections—									
Clavicle	4	....	4	1	3	....	....	....	4
Elbow	3	....	3	1	1	....	1	....	3
Shaft of femur	1	....	1	....	1	..	....	....	1
Head of femur	1	....	1	....	1	....	..	....	1
Knee	5	1	6	1	4	....	1	....	6
Rib	2	....	2	....	2	...	....	....	2
Sutured wounds—									
Vulva	...	1	1	1	....	....	....	....	1
Trephine, skull	4	....	4	1	3	...	....	...	4
Sarcoma—									
Of groin	2	....	2	....	1	....	....	1	2
Of neck	1	....	1	....	....	....	....	1	1

REPORT OF SURGICAL OPERATIONS AT THE CITY

AT THE CITY HOSPITAL.

OPERATIONS.	Males	Females	Total	Cured	Improved	Unimproved	In Hospital	Died	Total
Epithelioma—									
Of clitoris	....	1	1	....	1	....	....	...	1
Of hand	1	....	1	....	1	....	....	....	1
Of lip	3	....	3	2	....	....	....	1	3
Of nose	1	....	1	1	...	...	....	....	1
Of tongue	2	....	2	....	2	....	....	....	2
Carcinoma—									
Of anus	1	....	1	....	1	....	....	....	1
Of bladder	1	....	1	....	...	....	....	1	1
Of breast	....	2	2	1	....	....	1	....	2
Of intestines	....	1	1	....	....	....	....	1	1
Of larynx	2	....	2	....	1	....	....	1	2
Of neck	1	....	1	....	1	....	....	....	1
Of nose	1	....	1	1	....	....	....	....	1
Of pylorus	1	....	1	....	....	....	....	1	1
Of tongue	4	....	4	....	....	2	....	2	4
Miscellaneous—									
Sciatic neurectasis	1	....	1	....	1	....	....	....	1
Tenotomy	1	1	2	1	....	....	1	....	2
Tibia straightened	....	1	1	1	....	....	....	....	1
Toe straightened	1	....	1	....	1	....	....	....	1
Tracheotomy	1	....	1	....	1	....	....	....	1
Enlargement of mouth	4	....	4	....	4	....	....	....	4
Total	459	177	636	367	167	9	59	34	636

OUT-PATIENTS TREATED.

DISEASES.	MALE.	FEMALE.	TOTAL.
INJURIES.			
OF THE HEAD.			
Contusion of forehead	1	.....	1
Of scalp	2	.....	2
Gunshot wound of scalp	1	.....	1
Of head, face and shoulder	1	.....	1
Infected lacerated wound of forehead	1	.....	1
Lacerated wound of forehead	6	1	7
Of scalp	22	2	24
Of scalp, with fracture of nose	2	.....	2
Of scalp and eyebrow	2	.....	2
Of scalp and wrist	1	.....	1
Of temple	1	.....	1
Punctured wound of scalp	.....	1	1
OF THE FACE.			
Abrasions of face	1	.....	1
Contusion of cheek	3	.....	3
Of nose	1	.....	1
Incised wound of face and head	1	.....	1
Of cheek	1	.....	1
Of ear	1	.....	1
Of lip	1	.....	1
Laceration of nose	2	.....	2
Lacerated wound of cheek	3	.....	3
Of chin	1	.....	1
Of ear	1	.....	1
Of face	1	.....	1
Of lip	4	.....	4
Traumatic epistaxis	1	.....	1
Fracture of nose	1	.....	1

OUT-PATIENTS TREATED.

DISEASES.	MALE.	FEMALE.	TOTAL.
Lacerated wound of scalp and contusion of eye	1	.....	1
Burn of face, 2d degree	1	.....	1
OF THE EYE.			
Contusion of eye	1	.....	1
Of eye and forehead	1	.....	1
Of eye and lip	1	.....	1
Lacerated wound of eyebrow	3	.....	3
Wound of eyelid	1	1	2
Wound of orbital region	1	.....	1
OF THE NECK.			
Gunshot wound of neck	1	.....	1
OF THE BACK.			
Contusion of back	1	.....	1
OF THE CHEST.			
Contusion of side	2	.....	2
Fracture of rib	1	.....	1
Splinter in chest	1	.....	1
OF THE UPPER EXTREMITIES.			
Abrasions of finger	1	.....	1
Amputation of finger	2	.....	2
Burn of arm, 1st degree	2	.....	2
Of hand, 3d degree	1	.....	1
Contusion of arm	1	.....	1
Of arm and chin	1	.....	1
Of arm and face	1	.....	1
Of finger	1	.....	1
Of shoulder and hip	1	.....	1
Of wrist	1	.....	1
Dogbite of wrist	1	1	2

OUT-PATIENTS TREATED.

DISEASES.	MALE.	FEMALE.	TOTAL.
Dislocation of finger	1		1
Of humerus	1		1
Of head of humerus		1	1
Of head of radius	1		1
Of thumb		1	1
Gunshot wound of finger	1		1
Of hand	1		1
Incised wound of finger	1		1
Of wrist	1		1
Infected wound of hand	1		1
Lacerated wound of elbow	1		1
Of finger	6	1	7
Of hand	4	2	6
Of wrist	6		6
Punctured wound of finger	1		1
Fracture of radius	2		2
Of radius (Colle's)	1		1
Fracture of metacarpal bone	1		1
Sprain of elbow	1		1
Needle in finger		1	1
In hand		1	1
Splinter in thumb	1		1
Separation of distal epiphysis of ulna	1		1
OF THE LOWER EXTREMITIES.			
Contusion of ankle	1		1
Of leg	1		1
Of toe	1		1
Dislocation of fibula	1		1
Dogbite of leg	1	1	2

OUT-PATIENTS TREATED.

DISEASES.	MALE.	FEMALE.	TOTAL.
Dogbite of thigh	1	.....	1
Lacerated wound of foot	1	.....	1
Of leg	1	.....	1
Incised wound of foot	1	.....	1
Old wound of knee	1	.....	1
Fracture of patella	1	.....	1
Of tarsal bone	1	.....	1
Of tibia	1	.....	1
Sprain of ankle	2	.....	2
MISCELLANEOUS.			
Abscess of eyelid	1	.....	1
Of hand	1	.....	1
Of lip	1	.....	1
Of maxilla	1	.....	1
Of nose	1	.....	1
Alcoholism, acute	1	.....	1
Blood poisoning of lips	.....	1	1
Sugar of lead poisoning	.....	1	1
Dermatitis	1	.....	1
Foreign body in pharynx	.....	1	1
In throat	1	.....	1
Furuncle of hip	1	.....	1
Alveolar abscess	1	.....	1
Gastritis, acute	1	.....	1
Paronychia	1	.....	1
Phlegmon of finger	1	.....	1
Shock	.....	1	1
Varicose ulcer of leg	1	.....	1
Total	154	18	172

DIAGRAM No. 1.

SHOWING POPULATION OF CITY. (Light Black Line.)
NUMBER OF DEATHS IN CITY. (Dotted Line.)
DAILY AVERAGE OF PATIENTS IN HOSPITAL. (Heavy Black Line.)

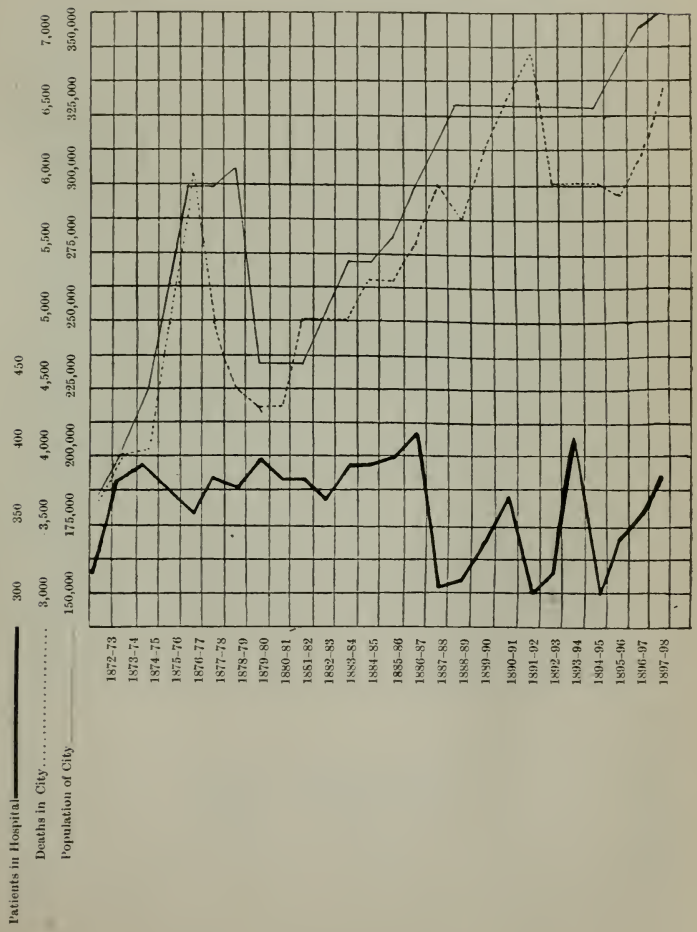
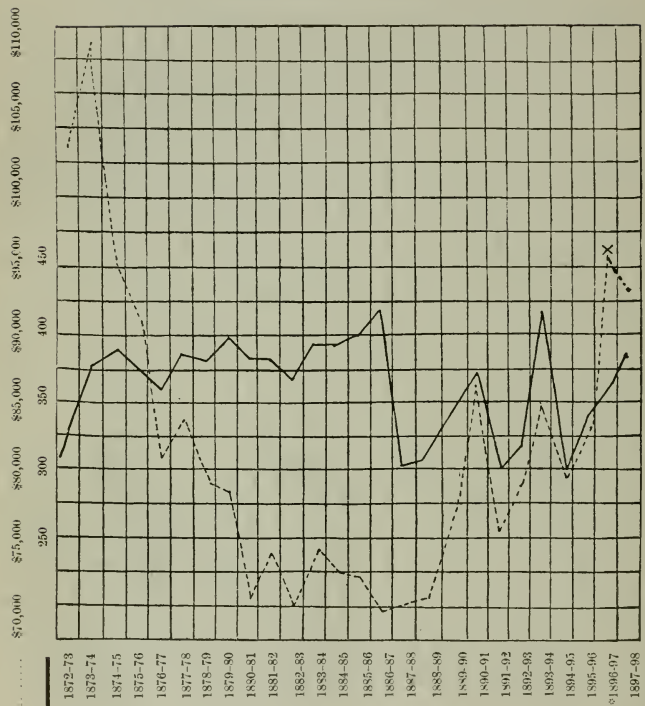


DIAGRAM No. 2.

DAILY AVERAGE OF PATIENTS. (Black Line.)
TOTAL EXPENSE. (Dotted Line.)



* Including special repairs.....$14,718 36

Cost of maintenance..... 81,029 81

Total.....$95,748 15

DIAGRAM No. 3.

SHOWING TOTAL NUMBER OF CASES TREATED. (Black Line.)
TOTAL NUMBER OF DEATHS. (Dotted Line.)

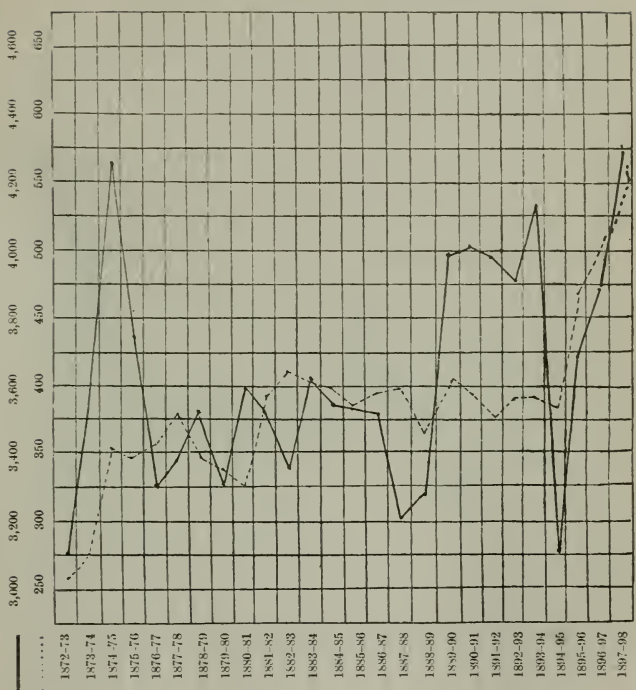


DIAGRAM No. 4.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)
NUMBER OF DEATHS FROM TUBERCULOSIS. (Dotted Line.)

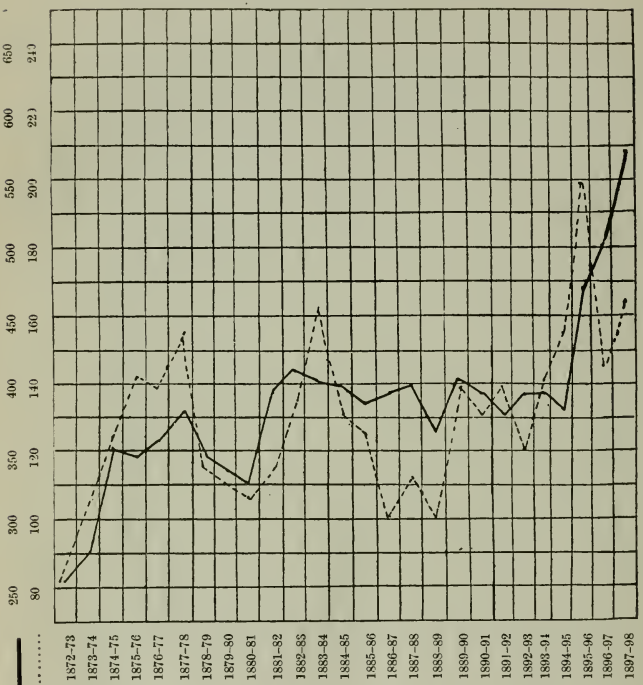


DIAGRAM No. 5.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)
DEATHS FROM DISEASES OF THE HEART AND CIRCULATORY SYSTEM. (Dotted Line.)

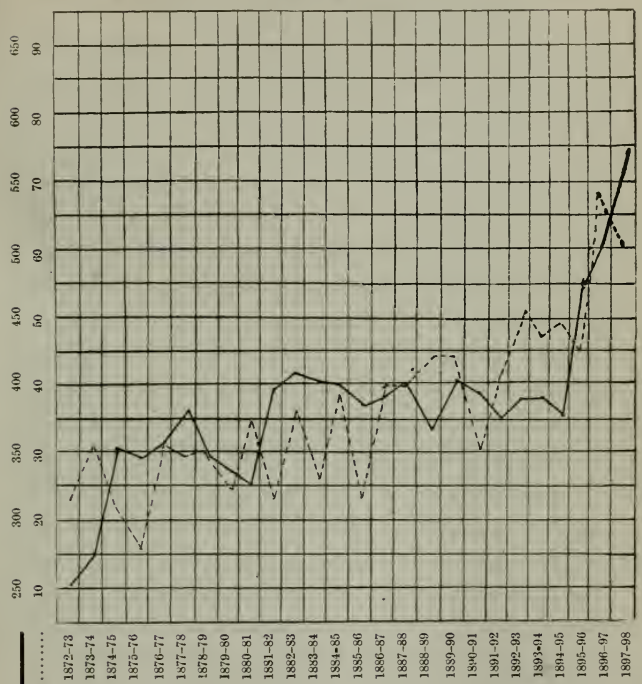


DIAGRAM No. 6.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)
DEATHS FROM PNEUMONIA. (Dotted Line.)

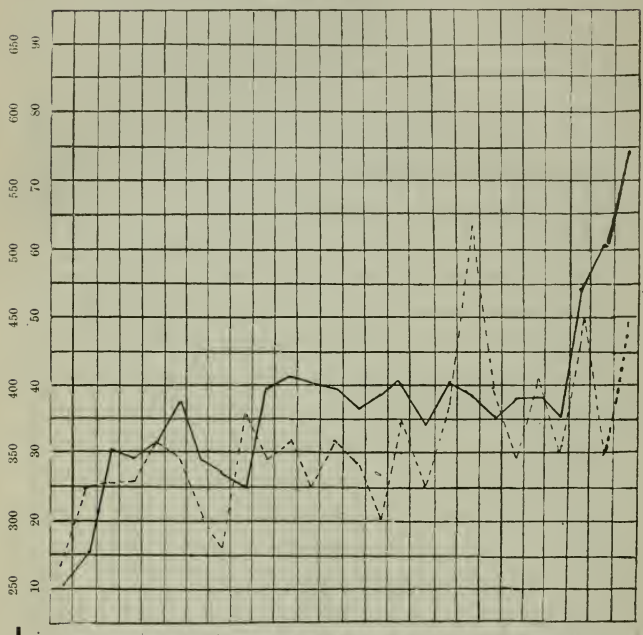
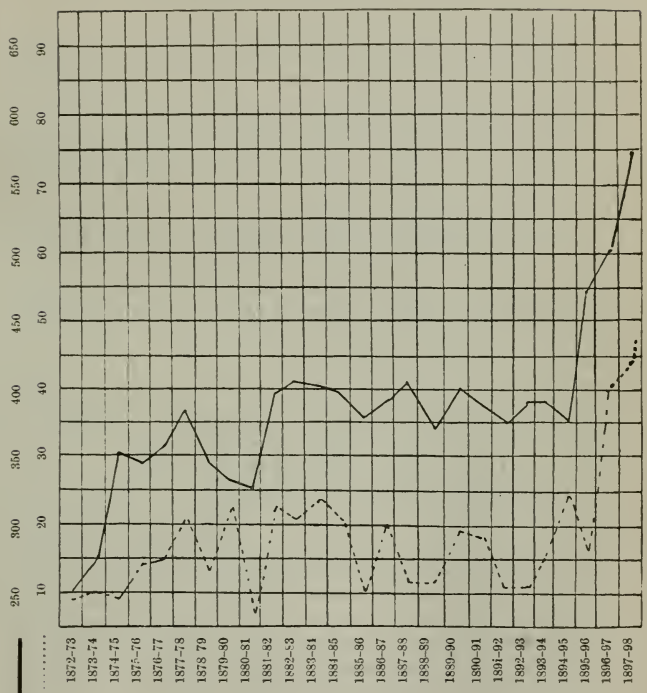


DIAGRAM No. 7.

SHOWING TOTAL NUMBER OF DEATHS. (Black Line.)
DEATHS FROM CANCER. (Dotted Line.)



REPORT OF HOSPITAL STEWARD.

San Francisco, July 1st, 1898.

G. E. Sussdorff, M. D., Superintendent Physician—

Dear Sir: The annual statement of expenses and averages of the Steward's Department of the City and County Hospital, herewith submitted, does not take into consideration the maintenance during the year of thirty persons at the Twenty-sixth Street Hospital, or Pesthouse. This cost our institution $2,153.08—quite an item considering the meagerness of our appropriation.

I would recommend in this connection that efforts be made to have an appropriation made directly to the Pesthouse each year, and that that hospital buy its own supplies through requisition. This would be a more convenient plan for both institutions. Even the books of the Pesthouse are kept at this hospital.

The year just past has seen the usual struggle under the handicap of improper appliances and general dilapidation. Despite all these, many improvements have been made at little cost, much to the betterment of the hospital.

I would again urge that every effort be put forth to establish a proper scale of wages for employees, and that this matter be considered when the next appropriation is made. Especially is it necessary that the corps of ward tenders receive adequate wages instead of the paltry $5 each a month now paid them. As you well know, patients cannot be made to work, and efficient service cannot be secured from men who are paid a mere pittance, neither is it just to expect men to work for such a small return.

Every effort has been made by this department to keep the supplies up to a proper standard, and the coming year will see these efforts maintained.

Respectfully,

PAUL EDWARDS,

Steward.

STATEMENT SHOWING MONTHLY EXPENDITURES DURING FISCAL YEAR.

MONTHS.	Bacon	Beef	Butter	Coffee	Eggs	Fish	Flour	Fruit and Vegetables	Groceries	Ham
1897—July	$9 54	$620 14	$139 05	$39 02	$273 47	$40 75	$214 04	$242 45	$124 07	$21 10
August	9 86	546 93	142 15	79 80	227 88	38 96	165 62	188 62	154 58	22 00
September	8 22	548 62	143 38	54 43	205 10	50 11	188 49	211 46	212 70	22 70
October	12 49	537 46	102 39	87 43	227 88	48 07	177 14	160 41	184 98	26 10
November	11 75	515 21	61 60	64 66	159 53	40 82	210 34	170 03	143 23	25 10
December	10 11	567 51	87 56	87 85	176 62	45 48	234 85	223 73	213 09	26 00
1898—January	10 11	589 11	65 93	70 53	193 71	40 07	212 29	183 70	250 00	25 00
February	8 71	521 71	65 93	84 44	182 32	46 32	215 78	195 44	245 03	25 00
March	13 07	651 91	140 29	84 57	239 29	74 34	264 56	222 91	225 16	26 10
April	11 67	573 30	172 42	70 11	216 49	49 32	248 83	236 18	232 65	26 10
May	11 51	515 45	110 63	105 32	182 31	46 32	219 32	275 82	238 30	26 10
June	12 74	505 33	157 18	88 65	210 80	57 90	273 44	275 26	170 96	26 00
	$129 78	$6,692 68	$1,388 51	$916 81	$2,495 40	$578 46	$2,624 70	$2,586 01	$2,394 75	$297 30

STATEMENT OF EXPENDITURES—CONTINUED.

MONTHS.	Milk	Mutton	Poultry	Sugar	Total Subsistence	Blankets	Brooms, Brushes, etc.	Coal	Coal Oil	Crockery and Glassware	Dry Goods
1897—July	$579 65	$366 04	$37 45	$138 49	$2,845 26	.....	$47 03	$223 51	.....	$90 28	$255 81
August	558 65	306 01	50 20	137 65	2,628 91	.....	39 00	313 86	$11 98	2 30	180 77
September	521 65	296 95	33 00	122 96	2,619 77	.....	50 03	307 10	3 99	21 00	182 42
October	512 80	315 70	34 90	230 35	2,658 10	.....	43 18	356 20	9 99	.....	413 13
November	409 95	282 02	91 10	53 99	2,239 33	.....	1 80	462 50	9 99	27 25	121 56
December	427 00	285 51	161 10	155 27	2,701 68	.....	7 00	674 80	15 98	34 33	114 38
1898—January	458 30	290 31	44 90	159 62	2,593 58	.....	66 36	560 40	5 99	.....	161 61
February	450 65	251 04	53 70	120 42	2,466 49	.....	69 01	549 40	15 98	4 65	248 00
March	499 25	262 59	71 45	150 38	2,925 87	.....	48 53	470 40	5 99	86 39	290 98
April	502 25	333 68	19 90	153 47	2,846 67	.....	42 53	409 70	13 98	57 65	236 32
May	474 95	311 89	28 50	137 47	2,683 89	.....	47 28	348 40	7 99	22 80	290 17
June	490 55	281 83	27 05	154 33	2,732 02	$1283 00	.....	335 40	.....	3 60	190 60
	$5,885 65	$3,583 57	$653 25	$1,714 70	$31,941 57	$1283 00	$461 75	$5011 67	$101 86	$350 25	$2685 75

STATEMENT OF EXPENDITURES—CONTINUED.

MONTHS.	Electrical Supplies	Engine Supplies	Expressage	Furniture and Carpets	Hardware	Ice	Lumber	Laundry Repairs	Laundry Supplies	Petty Expense	Paints, Oils, etc.	Repairs to Utensils	Stationery and Printing	Telephone Service
1897—July	$6 60	$3 00	$70 75	$41 55	$8 77	$53 32	.....	.....	$60 47	$52 80	$34 30	$2 00	$112 05	$7 50
August	.....	.....	75 75	23 95	66 40	34 06	$33 95	.....	57 50	6 55	26 73	.....	130 30	8 85
September	.....	12 85	78 72	12 75	55 65	34 90	106 06	.....	33 83	26 25	21 25	31 60	135 20	7 90
October	.....	.....	66 80	.....	.....	37 40	.....	.....	23 32	10 20	44 55	.....	43 75	8 00
November	.....	.....	60 00	.....	10 45	24 40	.....	.....	18 70	7 70	8 75	80 00	21 30	7 50
December	.....	1 88	60 00	.....	67 28	21 55	.....	.....	24 70	13 80	31 37	.....	33 30	7 50
1898—January	.....	.....	60 00	8 02	73 10	19 80	.....	.....	52 91	10 65	6 40	.....	93 80	15 00
February	.....	13 65	60 00	15 00	34 05	27 02	.....	.....	29 82	7 00	22 53	50 18	58 30	15 00
March	.....	.....	60 00	.....	16 58	32 75	24 35	$6 00	87 49	15 81	21 65	.....	104 00	15 00
April	.....	.....	60 00	13 55	112 05	26 90	14 20	.....	31 01	18 55	19 80	.....	11 25	15 00
May	.....	.....	60 00	.....	32 00	26 75	2 90	6 40	29 32	11 85	6 28	.....	14 80	15 00
June	.....	.....	60 00	.....	12 08	28 30	7 50	.....	37 96	19 25	.....	.....	72 50	15 60
	$6 60	$31 38	$771 55	$114 82	$488 41	$367 15	$188 96	$12 40	$487 03	$200 41	$243 61	$163 78	$830 55	$137 85

STATEMENT OF EXPENDITURES—CONTINUED.

MONTHS.	Tinware and Kitchen Utensils	Tobacco	Tools and Implements	Tule and Moss	New Smokestack and Boiler	Heating and Lighting Operating Room	Sundry	Total Miscellaneous	Barley, Oats, etc.	Hay and Straw
1897—July	$13 78	$5 77	.....	$21 40	.....	.....	.....	$1,110 69	$22 45	$11 76
August	17 49	14 53	.....	16 05	.....	.....	$20 25	1,080 27	23 21	30 20
September	26 30	14 58	$26 73	16 05	$120 00	.....	.....	1,324 69	24 31	24 92
October	.....	10 64	.....	19 30	.....	.....	.....	1,086 46	25 54	26 17
November	.....	2 85	.....	12 84	.....	.....	.....	877 59	21 81	26 19
December	26 30	6 74	.....	25 10	.....	.....	.....	1,166 01	21 38	25 72
1898—January	.....	6 74	.....	16 05	.....	.....	.....	1,156 83	19 53	24 41
February	88 82	10 69	9 00	35 95	.....	$123 62	.....	1,487 67	26 92	26 05
March	21 50	18 48	.....	19 26	38 20	.....	.....	1,383 36	22 79	25 18
April	2 40	14 53	.....	19 26	915 00	.....	31 75	2,065 43	23 37	23 79
May	29 10	10 64	.....	55 66	137 50	.....	.....	1,154 84	21 19	12 65
June	.....	10 69	.....	17 12	.....	.....	.....	2,093 60	20 17	11 34
	$225 69	$126 88	$35 75	$274 04	$1,210 70	$123 62	52 00	$15,987 44	$272 67	$268 38

STATEMENT OF EXPENDITURES—CONTINUED.

MONTHS.	Horse-shoeing	Repairs to Vehicles	Sundry Stable Expense	Total Stable Expense	Drugs, Medicines and Surgical Supplies	Sugar	Sundry	Repairs to Instruments	Surgical Instruments	Wines and Liquors	Total Dispensary
1897—July	$7 50	$14 30	.....	$56 01	$481 79	$15 00	.....	$2 10	$4 25	$345 62	$848 76
August	7 50	.....	$5 45	66 36	640 76	.....	.....	2 75	4 50	207 20	855 21
September	7 50	27 80	16 70	101 23	788 12	14 97	$6 77	1 25	.....	220 85	1031 96
October	7 50	.....	7 50	66 71	539 28	15 32	.....	.....	1 00	187 92	743 52
November	7 50	.....	4 40	59 90	451 22	.....	.....	12 25	91 00	145 73	700 20
December	7 50	.....	.....	54 60	438 66	.....	.....	.....	.....	174 98	613 64
1898—January	8 50	11 15	.....	63 59	517 73	14 85	.....	1 00	.....	172 23	705 81
February	8 50	28 50	.....	89 97	665 33	.....	.....	.....	.....	274 95	940 28
March	8 50	.....	.....	56 47	544 45	15 33	.....	1 00	.....	485 95	1046 73
April	8 50	.....	5 25	60 91	706 77	15 60	.....	2 25	.....	175 31	899 93
May	8 50	15 50	7 50	65 34	598 30	16 03	.....	1 75	6 00	260 35	882 43
June	11 00	40 00	.....	82 51	205 50	.....	.....	.....	.....	80 60	286 10
	$98 50	$137 25	$46 80	$823 60	$6577 91	$107 10	$6 77	$24 35	$106 75	$731 69	$9554 57

STATEMENT OF EXPENDITURES—CONTINUED.

MONTH.	Salaries	Grand Total	Daily Average Patients	Daily Average Officers and Employees	Total Maintained	Daily Subsistence Expense per Person	Daily Subsistence Expense per Patient	Total Daily Expense per Patient
1897—July	$2,662 50	$7,523 22	369.74	117.94	487.68	$.1940c	$.2558c	$.6640c
August	2,768 50	7,399 25	353.80	116.94	470.74	.1862c	.2476c	.6971c
September	2,679 90	7,757 55	342.20	119.37	461.57	.1900c	.2542c	.7570c
October	2,862 30	7,417 09	360.90	120.26	481.16	.1782c	.2376c	.6623c
November	2,786 50	6,663 52	361.07	122.07	483.14	.1545c	.2067c	.6162c
December	2,750 00	7,285 93	374.84	117.81	492.65	.1768c	.2323c	.6300c
1898—January	2,738 55	7,258 36	394.87	118.87	513.74	.1630c	.2119c	.5930c
February	2,754 50	7,738 91	407.00	124.03	531.03	.1661c	.2167c	.6800c
March	2,786 10	8,198 53	402.77	126.35	529.12	.1787c	.2343c	.6566c
April	2,753 45	8,626 39	397.20	126.50	523.70	.1812c	.2388c	.7240c
May	2,771 70	7,558 20	381.68	125.97	507.65	.1705c	.2268c	.6414c
June	2,769 25	7,963 48	389.00	126.37	515.37	.1767c	.2341c	.6800c
	$33,083 25	$91,390 43	377.91	121.86	499.77	$.1763c	$.2330c	$.6668c

AMOUNTS USED OF PRINCIPAL ARTICLES SUPPLIED CITY AND COUNTY HOSPITAL FOR FISCAL YEAR OF 1897-98.

ARTICLES.	TOTAL.
Bacon, pounds	1,577
Beef, pounds	108,000
Butter, pounds	6,740
Coffee, pounds	6,721
Eggs, dozen	13,141
Fish, pounds	20,202
Flour, pounds	101,000
Ham, pounds	2,973
Milk, cans	11,976
Mutton, pounds	70,266
Sugar (granulated), pounds	15,815
Sugar (brown), pounds	15,851
Coal, tons	587
Hay, tons	225
Oats, pounds	22,106
Tobacco, pounds	652
Tule, bales	217
Potatoes, pounds	135,200

PRICES OF CONTRACT GOODS SUPPLIED CITY AND COUNTY HOSPITAL FOR YEAR 1897-98.

ARTICLES.	PRICE.
Beef, first quality steer, per pound	4.74c
Mutton, first quality wethers, per pound	5.10c
Fish, fresh, best, per pound	2.86c
Coal oil, 150 deg. test, per gallon	19.97c
Beans, best quality white, per 100 pounds	$1.17
Cracked wheat, best, per 100 pounds	2.14c
Syrup, G. C. Refinery, per gallon	8.19c
Currants, Zante, per pound	6.73c
Jelly, currant, per dozen tins	1.24
Macaroni, No. 2, per pound	3.83c
Pickles, No. 2, per gallon	14.9c
Pie fruit, per case of 2 dozen	1 78
Rice, No. 2, new mixed	3 73
Sago, best, per pound	3.09c
Salt (table), best, per 100 pounds	.43c
Soap (laundry), best, per pound	2.23c
Taploca (pearl), best	3.9c
Tobacco, black navy, per pound	19.47c
Tomatoes, per case of 2 dozen	1 29
Yeast powder (G. G.), 5-pound tins, per dozen	13 95
Flour, California best roller wheat, per 100 pounds	1 92
Beets, best, per 100 pounds	75c
Cabbage, best, per 100 pounds	62c
Corn meal, fresh ground, best, per 100 pounds	1 42½
Semola, best, per 100 pounds	2 75
Hominy, best, per pound	2c
Oatmeal, best fresh ground, per 100 pounds	2 25
Sugar, Ex. C., per pound	4.80c
Sugar, best granulated, per pound	5.33c

PRICES OF CONTRACT GOODS SUPPLIED CITY AND COUNTY HOSPITAL.

ARTICLES.	PRICE.
Bacon, California cured sides, per pound	8.22c
Butter, cooking, per pound	18.70c
Codfish, best California, per pound	3c
Mackerel, Eastern No. 1, per kit	$1 22
Fruits, dried apples and peaches, per pound	3.87½c
Fruit (table), per case of 2 dozen	2 42
Mustard (ground), best, per pound	7.96c
Pearl barley No. 2, per pound	3.85c
Pepper (ground), first quality black, per pound	7.32c
Raisins, first quality layer, per pound	5c
Salt (rock), best, per 100 pounds	35c
Salsoda, California, per pound	.98c
Tea, Japan Diamond L, per pound	12.87c
Coffee, Guatemala roasted, best, per pound	13.64c
Butter, fresh, first quality California, per pound	20.60c
Eggs, fresh California candled, per dozen	18.99c
Cornstarch, Kingford's, per pound	4.49c
Vinegar, 30 deg., per gallon	6.98c
Coal, Wellington, per 2240 pounds	8 50
Cheese, best California, per pound	10½c
Ham, best California sugar-cured, per pound	10c
Vermicelli (white), No. 2, per pound	4c
Carrots, best, per 100 pounds	60c
Onions, best, per 100 pounds	97c
Turnips, best, per 100 pounds	75c
Potatoes, best Burbank, Salinas or Oregon, per 100 pounds	51c
Hay, best wheaten, per ton	11 88
Oats, best w. feed, per 100 pounds	1 23
Tule, per bale	1 07
Carrots (feed), per 100 pounds	54
Bran, best, per 100 pounds	71
Ground barley, best, per 100 pounds	89½

REPORT OF APOTHECARY.

San Francisco, July 1st, 1898.

G. E. Sussdorff, M. D., Superintendent Physician—

DEAR SIR: I herewith submit the report of the Drug Department for the year ending June 30th, 1898.

Respectfully,

WM. M. HICKMAN,

Apothecary.

STATEMENT SHOWING THE MONTHLY EXPENDITURES DURING THE FISCAL YEAR ENDING JUNE 30, 1898.

MONTHS.	Drugs	Surgical Supplies	Surgical Instruments	Surgical Repairs	Whisky	Port Wine	Sherry Wine	Brandy	Alcohol	Total
1897—July	$386 03	$110 76	$4 25	$2 10	$330 22	.....	.....	$15 40	.....	$848 76
August	336 99	303 77	4 50	2 75	150 70	.....	$51 50	.....	$5 00	855 21
September	412 57	397 29	.....	1 25	220 85	.....	.....	.....	.....	1,031 96
October	314 21	240 39	.....	1 00	142 42	$45 50	.....	.....	.....	743 52
November	263 22	188 00	91 00	12 25	145 73	.....	.....	.....	.....	700 20
December	305 84	132 82	.....	.....	174 98	.....	.....	.....	.....	613 64
1898—January	286 53	246 05	.....	1 00	172 23	.....	.....	.....	.....	705 81
February	412 08	253 25	.....	.....	171 45	53 00	50 50	.....	.....	940 28
March	338 28	198 75	.....	1 00	173 52	.....	.....	.....	312 43	1,023 98
April	467 67	277 50	.....	2 25	175 31	.....	.....	.....	.....	922 68
May	402 95	211 38	6 00	1 75	208 85	51 50	.....	.....	.....	882 43
June	205 50	.....	.....	.....	80 60	.....	.....	.....	.....	286 10
Total	$4,131 82	$2,559 96	$105 75	$25 35	$2,146 86	$150 00	$102 00	$15 40	$317 43	$9,554 57

STATEMENT OF DRUGS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
1897—July.....	Langley & Michaels Co.....	$371 03	
	William Cluff Co.....	15 00	
			$386 03
August.....	Langley & Michaels Co.....	$298 46	
	Clinton E. Worden & Co.....	36 73	
	Miller, Scloss & Scott.....	1 80	
			336 99
September.	Redington & Co.....	$364 76	
	Langley & Michaels Co.....	3 54	
	I. H. Kelly & Co.....	6 77	
	Clinton E. Worden & Co.....	18 53	
	William Cluff Co.....	14 97	
	Lengfeld's Prescription Pharmacy..	4 00	
			412 57
October.....	Mack & Co.....	$283 24	
	Langley & Michaels Co.....	7 65	
	William Cluff Co.....	15 32	
	Lengfeld's Prescription Pharmacy..	8 00	
			314 21
November..	Redington & Co.....	$221 95	
	Langley & Michaels Co.....	16 12	
	Clinton E. Worden & Co.....	25 15	
			263 22
December..	Redington & Co.....	$217 15	
	Langley & Michaels Co.....	51 55	
	Clinton E. Worden & Co.....	26 39	
	Lengfeld's Prescription Pharmacy..	10 75	
			305 84
1898—January....	Langley & Michaels Co.....	$39 12	
	Richards & Co.....	192 00	
	Clinton E. Worden & Co.....	40 56	
	William Cluff Co.....	14 85	
			286 53

STATEMENT OF DRUGS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
February..	Richards & Co.....	$193 85	
	Langley & Michaels Co.....	218 23	
			$412 08
March.....	Langley & Michaels Co.....	$274 23	
	Clinton E. Worden & Co.....	48 72	
	William Cluff Co.....	15 33	
			338 28
April.....	Redington & Co.....	$376 75	
	Clinton E. Worden & Co.....	49 18	
	William Cluff Co.....	15 65	
	Langley & Michaels Co.....	26 09	
			467 67
May.....	Mack & Co.....	$308 71	
	Langley & Michaels Co.....	46 95	
	Clinton E. Worden & Co.....	31 26	
	Goldberg, Bowen & Co.....	16 03	
			402 95
June.....	Mack & Co.....		205 50
	Total.....		$4,131 87

STATEMENT OF SURGICAL GOODS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
	SURGICAL INSTRUMENTS, ETC.		
1897—July.....	William Hotterroth.....	$4 25	
	Deckelman Bros.....	2 10	
August.....	William Hotterroth.....	7 25	
September..	J. H. A. Folkers & Bro.....	1 25	
October.....	Deckelman Bros.....	1 00	
November..	J. H. A. Folkers & Bro.....	36 00	
	William Hotterroth.....	67 25	
1898—January....	Deckelman Bros.....	1 00	
March.....	Deckelman Bros.....	1 00	
April.....	J. H. A. Folkers & Bro.....	2 25	
May.....	J. H. A. Folkers & Bro.....	1 75	
	William Hotterroth.....	6 00	
			$131 10
	SURGICAL SUPPLIES.		
1897—July.....	Langley & Michaels Co.....	$71 96	
	William Hotterroth.....	3 75	
	Kohler & Chase.....	25 25	
	O. P. Downing & Co.....	9 80	
			110 76
August.....	William Hotterroth.....	$56 00	
	O. P. Downing & Co.....	185 60	
	J. H. A. Folkers & Bro.....	64 17	
			303 77
September.	Redington & Co.....	$93 98	
	Clinton E. Worden & Co.....	101 81	
	Langley & Michaels Co.....	11 25	
	O. P. Downing & Co.....	183 50	
	Lane Hospital.....	6 75	
			397 29

STATEMENT OF SURGICAL GOODS PURCHASED.

DATE.	FROM WHOM PURCHASED.	AMOUNT.	TOTAL.
1897—October.....	Langley & Michaels Co.....	$22 50	
	Sherman, Clay & Co.....	5 55	
	Johnson & Johnson.....	212 34	$240 39
November..	Langley & Michaels Co.....	$26 15	
	N. W. Mallery.....	13 75	
	Johnson & Johnson.....	148 10	188 00
December..	Langley & Michaels Co.....		132 82
1898—January....	Mack & Co.....	$153 10	
	Langley & Michaels Co.....	92 95	246 05
February...	Langley & Michaels Co.....		253 25
March.....	Langley & Michaels Co.....	$183 75	
	Lane Hospital.....	15 00	198 75
April.....	William Hotterroth.....	$22 75	
	Lane Hospital.....	37 50	
	Langley & Michaels Co.....	217 25	277 50
May.....	Gilbert S. Noble.....		211 38
			$2,559 96

STATEMENT OF LIQUORS PURCHASED.

DATE.	FROM WHOM PURCHASED.	ARTICLE.	AMOUNT.	TOTAL.
1897—July.....	Dallemand & Co.....	Whisky...	$236 92	
	Dallemand & Co.....	Brandy....	15 40	
	F. M. Ferguson.....	Whisky...	93 30	
				$345 62
August.....	Dallemand & Co.....	Sherry....	$51 50	
	Dallemand & Co.....	Whisky...	150 70	
	J. E. Youngberg.....	Alcohol...	5 00	
				$207 20
September..	Dallemand & Co.....	Whisky...		220 85
October.....	Dallemand & Co.....	Whisky....	$142 42	
	Dallemand & Co.....	Port Wine	45 50	
				187 92
November..	Dallemand & Co.....	Whisky...		145 73
December..	Dallemand & Co.....	Whisky...		174 98
1898—January....	Dallemand & Co.....	Whisky...		172 23
February...	Dallemand & Co.....	Sherry....	50 50	
	Dallemand & Co.....	Port.....	53 00	
	Dallemand & Co.....	Whisky...	171 45	
				274 95
March.....	Dallemand & Co.....	Whisky....	$173 52	
	Langley & Michaels Co...	Alcohol....	121 53	
	Crown Distilleries Co.....	Alcohol...	190 90	
				485 95
April.....	Dallemand & Co.....	Whisky...		175 31
May.....	Dallemand & Co.....	Whisky...	$85 10	
	Dallemand & Co.....	Port.....	51 50	
	Alex. McDonald.....	Whisky...	123 75	
				260 35
June.....	Dallemand & Co.....	.....		80 60
				$2,731 69

REPORT OF THE MATRON.

San Francisco, July 1st, 1898.

G. E. Sussdorff, M. D., Superintendent Physician—

Dear Sir: In submitting to you my yearly report, I desire to call your attention to the unusually large amount of sewing being turned out of my department, and request that I be relieved of such work as the making of mattresses, and that the same be relegated to the mattress maker's department; also, the great need of some motive power being placed in my department to facilitate our work.

The constant disregard to the rule that "bed patients" only be furnished with garments demands that a cheap gingham shirt be provided for the convalescent patients (averaging one hundred and twenty-five), thereby obviating the loss and mutilation of nightshirts appropriated only for wear of patients confined to bed.

The thanks of this hospital is due Mrs. Hooper, of the Occidental Hotel, for old linen, a much needed article; to Mr. W. H. Cross, 626 Polk street, and to the ladies of the First Baptist Church, for frequent donations. Also, to the ladies of the California Woman's Club for interest and promise of future aid.

Respectfully submitted,

MARY E. BLACK, Matron.

MATERIAL RECEIVED AND ISSUED DURING THE YEAR.

ARTICLES.	On hand Last Report.....	Received	Total	Issued	On hand.....
Tennis flannel, yards.....	29	44	73	53	20
Baby flannel, yards.....	51¾	227	278¾	244¾	34
Shaker flannel, yards.....	39	229½	268½	214½	54
Canton flannel, yards.....	.....	535	535	513	22
Bandage muslin, yards.....	.....	4,795	4,795	4,564	231
Bleached muslin 10-4, yards.....	87	44	131	87	44
Bleached muslin 8-4, yards.....	.....	176	176	132	44
Bleached muslin 5-4, yards.....	.....	985½	985½	979½	6
Bleached muslin 4-4, yards.....	.....	404	404	318	86
Unbleached muslin 6-4, yards.....	.....	2,147	2,147	2,147	.....
Unbleached muslin 5-4, yards.....	.....	1,746	1,746	1,437	309
Shroud muslin, yards.....	116¾	123	239¾	239¾	.....
Green muslin, yards.....	6	.....	6	2	4
Indian head, yards.....	.....	152½	152½	103½	49
Huckaback crash, yards.....	.....	596	596	596	.....
Ashland Sheeting, yards..	39½	783	822½	783½	39
Dairy cloth, yards.....	96	675	771	753	18
Cheese cloth, yards.....	77	4,777	4,854	4,501	353
Curtain netting, yards.....	.....	178	178	128	50
Cretonne, yards.....	.....	318	318	267	51
Ticking, yards.....	....	523	523	469	54
Oilcloth (white), yards.....	22	216	238	234	4
Gingham, yards.....	.....	266½	266½	226½	40
Table linen, yards.....	12½	85½	98	60	38
Webb's crash, yards.....	.....	2,049	2,049	2,049	.....
Crinoline.....	136	.....	136	5	131
Crossbar.....	76	.....	76	12	64

MATERIAL RECEIVED AND ISSUED DURING THE YEAR.

ARTICLES.	On hand Last Report.....	Received.....	Total.....	Issued.....	On hand.....
Duck, yards	18¾	73¼	92	47	45
Cotton batts, number	16	1,700	1,716	1,585	131
Sheet cotton, number	251	1,129	1,380	1,143	237
Safety-pins, dozen	141	1,728	1,869	865	1,004
Eagle pins, papers	138	216	354	293	61
Buttons, dozen	153	248	401	104	297
Bobbins, dozen	.....	22	22	15	7
Needles, papers	59	180	239	144	95
Thread, spools	1,013	2,376	3,389	779	2,610
Knitting cotton, balls	52	.....	52	11	41
Tape, rolls	126	864	990	338	652
Thimbles, number	31	216	247	84	163
Buckles, number	552	.....	552	16	536
Bleached sheets, number	8	83	91	75	16
Ward sheets, number	.....	794	794	734	60
Pillowslips, number	30	922	952	736	216
Pillowticks, number	12	53	65	65	.....
Straw ticks, number	6	52	58	40	18
Mess ticks, number	.....	22	22	15	7
Aprons, number	.....	239	239	210	29
Eye-shields, number	16	24	40	37	3
Shrouds, number	13	46	59	52	7
Patients' towels, number	6	1,165	1,171	878	293
Roller towels, number	6	329	335	206	129
Huckaback towels, number	76	817	893	654	239
Ward shirts, number	.....	466	466	384	82
Sleeves, pair	5	5	10	6	4

MATERIAL RECEIVED AND ISSUED DURING THE YEAR.

ARTICLES.	On hand Last Report.....	Received.....	Total.....	Issued.....	On hand.....
Blankets, pair.....	6	220	226	213	13
Comforters, number.....	.....	109	109	45	64
Rubber sheets, number.....	.....	48	48	43	5
Rubber sheeting, yards.....	.....	112	112	103	9
Spreads, number.....	.....	384	384	372	12
Curtains, number.....	.....	71	71	63	8
Mosquito netting, yards.....	51	208	259	183	76
Waiters' shirts, number.....	.....	24	24	3	21
Waiters' socks, pair.....	.....	60	60	39	21
Napkins, dozen.....	.....	23	23	21	2
Doctors' coats, number.....	.....	8	8	8	.....
Table-covers, number.....	.....	14	14	14	.....
Butchers' linen, yards.....	.....	90½	90½	90½	.....

REPORT OF SAN FRANCISCO TRAINING SCHOOL FOR NURSES.

San Francisco, July 1st, 1898.

G. E. Sussdorff, M. D., Superintendent Physician—

Dear Sir: I beg to submit herewith the report of the San Francisco Training School for Nurses for the fiscal year ending June 30th, 1898:

The Training School commenced its seventh year (July 1st, 1897) with the following staff of nurses:

Graduate Nurses	1
Senior Pupil Nurses	13
Junior Pupil Nurses	11
Male pupils	1
Probationers	2
Total	28

The demands of the Hospital require a larger number than this, which the limited capacity of the nurses' quarters makes it impossible to meet.

The number of nurses during the year has varied but little. The names of five pupil nurses have been dropped from the rolls.

Twenty-five probationers have been admitted into the School; four were dropped at the end of probationary period.

Thirteen nurses have been graduated. One of the past year graduates, Miss Nickson of Chicago, remains (without salary) to take charge of the women's medical department, and is doing excellent work for the Hospital and School.

The satisfactory conduct of the women's medical and

general operating room shows the advantage of having graduate nurses in charge of departments and one to act as Night Superintendent of Nurses.

A larger staff of nurses would also allow of a visiting nurse to obstetrical and other patients amongst the poor who are not able to pay for the services of a trained nurse and prefer not coming to the Hospital. The benefits derived would be very great for this particular class. The nurse would be able to advise and instruct as to preparation of food, applications, baths, and general care in filling the orders left by the physician. There is indeed a wide field for such mission work.

Eighty-nine patients have been furnished with special night and day nurses for various periods. It has been found impossible to assign special nurses in all cases requiring them.

The usual work of the year has been carried on in a satisfactory manner by lectures, teaching in class, and lessons in massage and cooking.

The work of the nurses in the wards and lecture room has been well done and they have shown themselves attentive and studious—an *esprit de corps* existing effectually raising the standard of their work.

All pupils have spent on an average six hours weekly attendance in class and lecture. Miss Edna Davies has given twenty-four lessons in cooking to a class of twenty-two nurses. These lessons have been most thorough, have covered a very liberal course and have been much appreciated by the nurses, and in their private family work will be to them of incalculable value.

Necessary changes of schedule for meals and hours of duty that would add to the comfort and welfare of the nurses cannot be effected in our present environment.

It is my sad duty to record the death of pupil nurse William Hawkins, which occurred November 10th, 1897, after an illness of two weeks, contracted whilst nursing at the Pest-

house a patient supposed to be suffering from typhus fever. We wish to bear witness to his faithful and conscientious performance of duty, and our conviction that his life was sacrificed not only to duty but also to the barbarous provision afforded by the city for the care of patients suffering at the City and County Hospital with contagious diseases [wines, stimulants, etc., that could not be furnished by the Hospital were contributed by Hon. James D. Phelan and others]—conditions but slightly mitigated when caring for Mr. Hawkins during his fatal illness at the City and County Hospital. It would no doubt be most gratifying to the citizens of San Francisco would the Supervisors appropriate a small sum of money to fittingly mark the grave of this loyal and devoted nurse. The heroic nurses, Miss O'Reilly and Miss McLean, the physicians in attendance, Dr. F. W. Dudley and Dr. McLean, for their constant care and attendance to Mr. Hawkins, have our gratitude and admiration.

It is apparent that the term of instruction (two years) does not allow time or opportunity for routine or administrative work and taxes the time and strength of pupil nurses severely. I would suggest that all pupils entering during the coming year sign for a three years' course. The leading hospitals of the East having adopted the three years' course report favorably of the experiment, which system has always been a success in the hospitals abroad.

An additional number of graduates should be retained as head nurses of the following departments, Maternity and Nursery, Women's Surgical, Men's Medical and Night Superintendent, to be selected for executive ability, exercise of discipline and careful teaching of their assistant nurses, obviating the constant changing of charge-nurses and dividing the responsibility that now exists under the present system of departments being placed in charge of pupil nurses subject to frequent change necessary to allow pupil nurses an equal length of time for experience in each of the various wards of the Hospital during their service of two years.

The exceedingly crowded condition of the nurses' quarters leads me to again ask for the erection of a dormitory apart from the Hospital, the basement of such a building to be fitted up as a gymnasium for the nurses. Physical education as the recognition and merits of this branch of education are now neglected for lack of accommodations.

The Training School has been largely indebted to the help, advice and support of the physicians of the staff and the cordial and helpful co-operation of the Superintendent and Resident Physicians.

Respectfully,

MARY PATTON,

Chief Nurse and Principal of the Training School.

LIST OF GRADUATES.

GRADUATES—1892-93.

Archibald, Alice, Private Nurse, San Francisco.
Coffield, Mary, Private Nurse, San Francisco.
Hanson, Kate, Private Nurse, San Francisco.
McGovern, Katherine L., Private Nurse, San Francisco.
Robinson, Robin M., Private Nurse, San Francisco.
Waterman, Adelaide M., Private Nurse, San Francisco.

GRADUATES—1894-95.

Espeset, Belle S., Private Nurse, San Francisco.
Whicher, M. Louise, Librarian Public Library, San Francisco.

GRADUATES—1895-96.

Buchler, Lillie C., Private Nurse, San Diego.
Covert, Nellie D., Private Nurse, San Francisco.
Gibbel, Fannie B., Private Nurse.
Gray, Annie Irving, Private Nurse, New York, N. Y.
Mead, Mary E., School Department, San Francisco.
Parry, Frances A., Private Nurse.
Ranson Jennie, Private Nurse, San Francisco.
Ryan, Hattie D., Private Nurse, Denver, Col.
Reed, Elizabeth A., Private Nurse, San Francisco.
Wood, Adeleine M., Portland Oregon.
Walker, E. Maud.

POST-GRADUATE—1895-96.

Hulda E. Graves, Private Nurse, Victoria, B. C.

GRADUATES—1896-97.

Beasley, Mary L., Matron County Hospital, Santa Rosa.
McAfee, Mary S., Private Nurse, San Francisco.
Kane, Julia M., City and County Hospital, San Francisco.
Nelson, Jessie R., Private Nurse, San Francisco.
Thompson, Eugenie, Private Nurse, San Francisco.
Young, Lena G., Private Nurse, San Francisco.
Young, Mattie, Private Nurse, San Francisco.

GRADUATES—1897-98.

Cathcart, Josephine, Home, Pomona, Cal.
Gracier, Jennie, Private Nurse, San Francisco.
Howard, Carrie, Private Nurse, San Jose.
Hayden, Elsie S., Private Nurse, San Francisco.

Karstens, Ottlie, Private Nurse, San Francisco.
Lampkin, Bertha, Private Nurse, San Jose.
McLean, Eliza, Private Nurse, San Francisco.
Nickson, Jane P., City and County Hospital, San Francisco.
O'Reilly, Mary, Private Nurse, San Francisco.
Roney, Margaret, Private Nurse, San Francisco.
Rist, Ella, Private Nurse, San Francisco.
Strand, Mary F., Soldiers' Home, Los Angeles County, Cal.
Tierney, Ellen, Private Nurse, San Francisco.

COURSE OF LECTURES, 1897–98.

DR. WM. WATT KERR.

1. Pneumonia.
2. Hygiene.
3. Ventilation.
4. Ventilation.
5. House Drainage.
6. Disinfectants.
7. Disinfectants.
8. Nursing Febrile Cases.
9. Bath and Diet.

SURGERY—DR. G. FRANKLIN SHIELS.

(Wednesday—8 p. m.)

1. Cell Life: Healing of Wounds.
2. Principles and Practice of Aseptic and Antiseptic Surgery.
3. Dressings and Their Disinfectants; Their Methods of Preparation and Use.
4. Surgical Instruments (Care of).

SURGERY—DR. EMMET RIXFORD.

(Friday—11 p. m.)

1. Anesthetics: Their Administration and Effects.
2. Care of Patient Before, During and After Operation.
3. Methods of Sterilization.
4. Preparation of Irrigating Fluids.

GYNECOLOGY—DR. C. A. VON HOFFMAN.

(Thursday—10 a. m.)

1. Gynecological Instruments. Preparing Patients for Examination. Preparation for Operations and Aftercare.

ABDOMINAL SURGERY—DR. C. A. VON HOFFMAN.

1. Technique to be Observed by Nurses. Post-Operative Care of Abdominal Cases.

EYE, EAR AND THROAT—DR. LAGAN.

(Friday—4 p. m.)

OBSTETRICS—DR. JAMES F. McCONE.

(Saturday—4 p. m.)

1. Pregnancy. Impregnation.
2. Parturition. Natural Labor.
3. The Puerperal State. Aftercare.
4. Care of Infant in Health and Disease.

DISEASES OF THE SKIN—DR. W. G. HAY.

(Tuesday—4 p. m.)

1. Anatomy and Care of the Skin.
2. Nursing in Diseases of the Skin.

THE URINE—DR. L. BAZET.

1. Elementary Analysis of Urine.
2. Tests With Practical Work.
3. Nursing in Diseases of Urinary Organs.

PHYSIOLOGY—DR. W. W. WYMORE.

(Monday—4 p. m.)

1. Phenomena of Life: Structure of Elementary Tissues.
2. Blood: Its Circulation.
3. Respiration.
4. Food and Diet. Digestion.
5. Absorption. Animal Heat, Skin and Kidneys.
6. Vascular Glands. Muscular System.
7. Voice. Speech. Cerebro-Spinal Nervous System.
8. Cranial Nerves. Senses.
9. Sympathetic Nervous System.
10. Reproductive Organs. Development.
11. Development (continued).
12. Relation of Life to Other Forces. Chemical Basis of Human Body.

MATERIA MEDICA—DR. MEYER.

(Wednesday—8 p. m.)

1. Medicines and Their Methods of Administration. Dosage, Weights, and Measures. Terms and Preparations.
2. Classification of Drugs. Cathartics, Emetics, Stimulants, Hypnotics, Sedatives, etc.
3. Drugs Acting on Respiratory, Circulatory and Excretory Systems; and Physiological Action in Each.
4. Poisons. Symptoms and Antidotes.

ANATOMY—DR. S. J. FRASER.

(Friday—8 p. m.)

1. Anatomy Proper: The Cell.
2. Bone: Development and Classification.
3. Bones of Skull.
4. Bones of Trunk.
5. Bones of Upper and Lower Extremities.
6. Joints.
7. Muscles.
8. Arteries and Veins: Lymphatics.
9. Brain and Spinal Cord.
10. Heart and Lungs.
11. Organs of Digestion.
12. Pelvic Organs.
13. Landmarks.

GENERAL MEDICINE—DR. H. C. MOFFITT.

1. Anatomy of Nervous System.
2. Physiology of the Nervous System.
3. Nursing in Diseases of Nervous System.
4. The Care of the Nervous and Insane.

MASSAGE—DR. HEDWIG MALMESTROM.

(Tuesday—4 p. m.)

1. History—In Hands of Masseuse; in Hands of Nurse. Demonstration in Hand and Arm.
2. Effect on Digestion. Demonstration on Chest and Abdomen.
3. Demonstration on Foot and Leg.
4. Thigh. Passive Movements.
5. Massage of Head. Soporific Effect. How Obtained.

6. Demonstration on Back. Back and Gluteal Regions. Resistive Movements.

7. Sprains; Dislocations; Indurations; Paralysis; Percussion; Position; Use of Oils.

DIETETICS—MISS E. DAVIES.

(Tuesday—3 p. m.)

1. Introductory.
2. Elementary Composition of Food. Food Classification.
3. Water. Uses in Human Body. Purity of Water. Variety of Drinking Water.
4. Water (continued). Experiments.
5. Force-Producing Value of Foods.
6. Strengthening Foods. Digestive Ferments.
7. Nutrition of Animal and Vegetable Foods Compared. Vegetarianism.
8. Changes Produced in Foods by Cooking.
9. Salts and Vegetable Acids.
10. Animal Foods.
11. Vegetable Foods.
12. Stimulants and Beverages.

DEMONSTRATION LECTURES—MISS E. DAVIES.

1. Broths and Soups.
2. Cooking of Eggs.
3. Cooking of Eggs (continued).
4. Meats.
5. Toast Preparations.
6. Stimulants and Beverages.
7. Oysters.
8. Gruels.
9. Predigested Foods.
10. Special Diet for Certain Diseases.
11. Special Diet for Certain Diseases (continued).
12. Invalid Desserts.

THE FOUNDING OF THE TRAINING SCHOOL FOR NURSES.

The San Francisco Training School for Nurses was established in August, 1891, this being the first effort to bring the trained skill of the Eastern schools to bear upon the amelioration of the dependent afflicted in this Western metropolis. Briefly stated, during the previous year Mrs. J. G. Lemmon of Oakland was cared for through a severe illness, and her life no doubt saved through the skillful services of Miss Ida M. Forsyth, a graduate nurse from the famous Blockley Hospital of Philadelphia. Grateful for her own recovery, her solicitude for the welfare of others became greatly enhanced; and with her, desiring and doing are coincident as a general rule. Consulting with Miss Forsyth, it was decided to visit the City and County Hospital of San Francisco, this being the largest institution of its kind on the Pacific Slope, and one that would afford the best opportunities for clinical instruction and experience. The Superintendent Physician, Dr. C. S. Healy, welcomed these earnest women cordially and the subject was laid before him. Though evidently appreciating to the full the value of special and thorough training to prepare nurses for the proper care of invalids, he at first thought such a school would not be feasible in the City and County Hospital, because of the lack of suitable rooms for their accommodation and funds to carry on the work. During a subsequent interview, however, when Mrs. Lemmon introduced Miss Forsyth, it was discovered that the importance of instituting a training school in the Hospital had grown in the Superintendent Physician's estimation—for he had already applied to the Board of Health and the Board of Supervisors for their approval and assistance. The Superintendent Physician found that a majority of the Board of Health (not in-

cluding Mayor Sanderson, who was heartily in accord with the project from the first) were still undecided upon this innovation. They cited in objection the impropriety of placing young women in a hospital of mixed patients, the want of proper rooms, and lack of funds. Perhaps the chief objection, though unstated, was reluctance on the part of the Board to remove from the Hospital wards the old-time nurses who, though inefficient, and some of them often intoxicated, were nevertheless persons of influence in political circles. The objectors were called upon again and again, and the various objections were gradually overcome, particularly that of placing young women in such positions, this being clearly demonstrated as having already passed the stage of experiment and become an unbounded success in similar institutions in the East. About this time Dr. Healy, the Superintendent Physician, had found rooms in a wing of the Hospital that might perhaps be made available for living quarters. He invited inspection of them, and they were pronounced suitable. These rooms, the same now occupied by the Training School, were then used in part by certain employees of the Hospital, and it was not without loud protest that they were transferred to other quarters.

The rooms were devoid of furnishings of any kind, and Mrs. Lemmon, often accompanied by Miss Forsyth, set about soliciting aid from her friends and citizens of San Francisco, who responded generously, and these persevering women were finally successful in procuring various articles for furnishing the rooms with some degree of comfort. A careful account of all articles and money so contributed was kept and the names of the donors preserved. No sooner was the School in active operation than it was discovered that its establishment was a decided measure of economy. Heretofore the patients had been committed to the care of untrained nurses, employed at wages of from $20 to $75 per month, while the pupils of the Training School receive the nominal sum of $10 per month after having given three

months free service—a large saving in favor of the Training School.

The work of the School, within a few months after its inauguration, with even the small number of young women under the careful supervision of Miss Forsyth and her assistant, Miss Elise K. Mohl, eventuated in great improvement throughout the Hospital. Neatly attired nurses were constantly on duty in the various wards, and where formerly the medicines were kept on the table at the bedside of the patients, who helped themselves at will, the drugs were placed in closets under lock and key, to be carefully measured and administered in the exact doses prescribed by the physicians. Neat charts were also seen at the heads of the beds, where the nurses kept record of temperature, respiration, and pulse—an indispensable requisite in the treatment of many diseases, especially fevers. The surgeons were also quick to appreciate the careful and intelligent preparation of patients for operations, and watchful care during the critical hours following. One of the leading physicians remarked that before the advent of the Training School he often found it difficult to distinguish between a nurse and patient, as patients were often trying to nurse each other.

In the year 1891 twelve nurses only were enrolled. In 1893-94 the number averaged sixteen. This number was recognized by the Board of Health as entirely inadequate for the work of the Hospital. Up to 1895 no appropriation had been made to meet the expense of a larger force of nurses, although the Board of Health in office at that time was very willing to increase the nursing staff, but had no funds on hand for such purpose. In October, 1895, and April, 1896, two musicales were given at the Occidental Hotel under the auspices of the leading society women of San Francisco, the proceeds ($217.00) to be utilized for dormitory furnishings. This enabled us to accommodate nine more pupils, increasing the number of pupil nurses from nineteen to twenty-eight. The names of the patron-

esses and artists who so generously gave their time and interest will be found appended hereto.

With the increased number of nurses the advantages to the patients are many; the relief to the nurses scarcely perceptible. The night force was increased from three to six, and frequently eight. A senior nurse is detailed as Night Superintendent of Nurses, directing the work and seeing that all emergencies arising during the night are properly met.

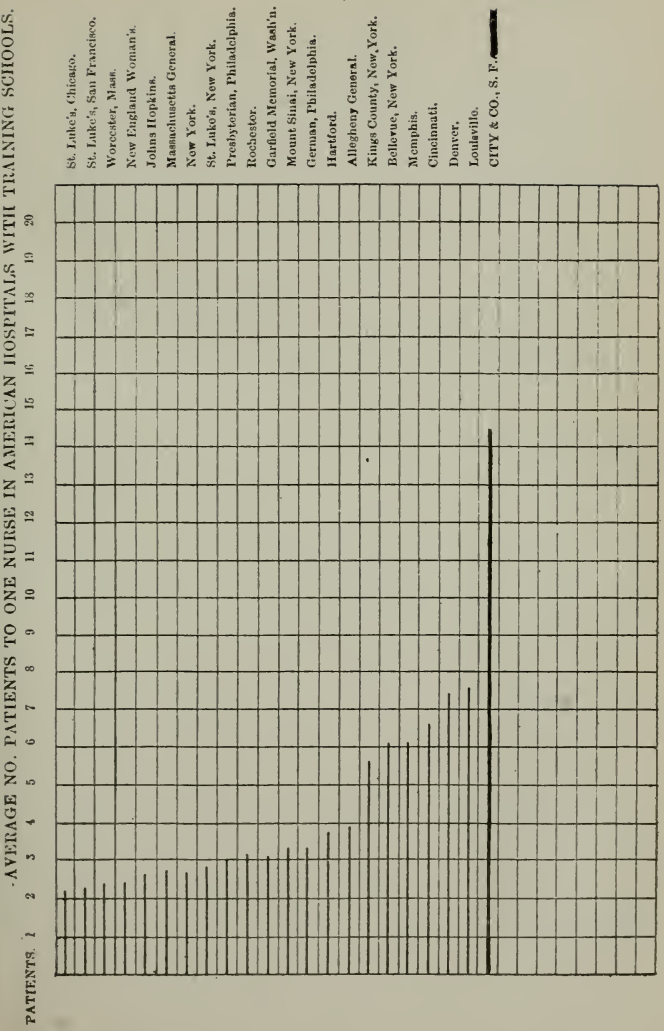
Critical medical and surgical cases, demanding extra care, are furnished with special nurses—an arrangement impossible when the school numbered but nineteen pupils, the custom then being to strap or tie down delirious pneumonia and typhoid patients.

DONATIONS TO THE TRAINING SCHOOL.

NAME.	DONATION.
August, 1891.	
Mrs. O'Sullivan	One chair.
Messrs. Ray & Hampton	One hassock.
Gullixon & Bros	One hassock.
Alex. Mackay	One ingrain carpet.
Mrs. E. P. Jones	Two chairs and one fur rug.
City of Paris	One pair of portieres.
Vicky	One picture.
Mrs. J. G. Lemmon	Two corner shelves.
1896.	
Dr. C. N. Ellinwood	Kirk's physiology.
	Worcester's dictionary.
Mrs. Selden S. Wright	Jewel gas stove.

CONTRIBUTIONS TO THE TRAINING SCHOOL.

NAME.	AMOUNT.	TOTAL.
AUGUST, 1891.		
Mrs. Henry Schmeidell	$5 00	
Mrs. Henry Kunthal	2 50	
Mr. Adolph Sutro	20 00	
Mrs. H. M. Miller	2 00	
Mrs. George Fife	20 00	
Mrs. F. T. Hooper	2 00	
Mrs. G. N. Beaver	5 00	
Mrs. M. A. Swan	5 00	
Mrs. H. M. Newhall	2 00	
Mrs. Levi Strauss	5 00	
Messrs. Goldberg, Bowen & Lebenbaum	5 00	
W. & J. Sloane & Co	5 00	
Mr. Harry K. Miller	5 00	
Hub Clothing Co	5 00	
O'Connor, Moffatt & Co	5 00	
Roos Bros	5 00	
Newman & Levison	5 00	
Murphy, Grant & Co	5 00	
Payot, Upham & Co	4 50	
Total		$113 00


AVERAGE NO. PATIENTS TO ONE NURSE IN AMERICAN HOSPITALS WITH TRAINING SCHOOLS.
PATIENTS. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
St. Luke's, Chicago.
St. Luke's, San Francisco.
Worcester, Mass.
New England Woman's.
Johns Hopkins.
Massachusetts General.
New York.
St. Luke's, New York.
Presbyterian, Philadelphia.
Rochester.
Garfield Memorial, Wash'n.
Mount Sinai, New York.
German, Philadelphia.
Hartford.
Allegheny General.
Kings County, New York.
Bellevue, New York.
Memphis.
Cincinnati.
Denver.
Louisville.
CITY & CO., S. F.

STATISTICS OF TRAINING SCHOOL FOR NURSES.

INITIAL YEAR.

1891-92.

Senior pupil nurses	4	
Junior pupil nurses	10	
Probationers	3	
Total remaining		17
Probationers received during the year		34

1892-93.

Senior pupil nurses	6	
Junior pupil nurses	9	
Total remaining		15
Probationers received during the year		14
Probationers accepted		5
Pupils resigned		7

1893-94.

Graduate nurse	1	
Senior pupil nurses	2	
Junior pupil nurses	7	
Probationers	6	
Total remaining		16
Probationers received during the year		26
Pupils resigned		11
Nurses graduated first class, September, 1893		6
Left the school		5
Retained as assistant to the head nurse until November, 1894		1

1894-95.

Senior pupil nurses	5	
Junior pupil nurses	12	
Probationers	2	
Total remaining		19
Probationers received during the year		15
Probationers accepted		10
Nurses graduated		2

1895-96.

Senior pupil nurses	10	
Junior pupil nurses	14	
Probationers	5	
Total remaining		29

Probationers received during the year	28
Probationers accepted	14
Pupils resigned	3
Graduates taken post-graduate course	1
Pupils returned to finish unexpired term	4
Graduates of the class 1896	12
Monthly average of pupil nurses on roll	18
Monthly average of probationers	8
Monthly average of days special nursing	33
Monthly average of day nurses off duty ill	25
Formal applications received during the year	47

1896-97.

Graduate nurses	1	
Senior pupil nurses	13	
Junior pupil nurses	11	
Male pupil nurse	1	
Probationers	2	
Total remaining		28
Probationers received during the year		12
Probationers accepted		8
Senior pupil nurses resigned		4
Graduates of the class 1897		8
Monthly average of pupil nurses on roll		24
Monthly average of probationers		5
Monthly average of days special nursing		23
Monthly average of day nurses off duty ill		5
Number of applicants on file		82

1897-98.

Graduate Nurses	2	
Senior pupil nurses	9	
Junior pupil nurses	15	
Male pupil nurses	7	
Total remaining		33
Probationers received during the year		23
Probationers accepted		17
Junior pupil nurse discharged		1
Junior pupil nurse died		1
Graduates of the class of 1897-8		13
Number of applications on file		140

REPORT OF CITY AND COUNTY ALMS HOUSE.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: I respectfully submit to your honorable Board the following report of the City and County Alms House for the fiscal year ending June 30th, 1898:

NUMBER OF INMATES ADMITTED.

Males	567
Females	119
Total admitted	686
Remaining in the house July 1st, 1897	921
Total to be accounted for	1,607

NUMBER OF INMATES DISCHARGED.

Number of inmates discharged at own request	300
Number of inmates ran away	53
Number of inmates discharged for cause	122
Number of inmates died	142
Remaining in the house July 1st, 1898	990
Total	1,607
Daily average of inmates	961

The appropriation for the City and County Almshouse for the fiscal year 1897-98 was	$77,500.00
Expenditures during the year	76,866.49
Balance unexpended	$633.51
Amount turned over to the Treasurer from sale of junk, hogs, etc.	791.25
Total balance unexpended	$1,424.76
Which being deducted from	$77,500.00
	1,424.76
Actual total cost to City for 1897-98	$76,075.24
Daily average number of officers, employees and inmates	992
Daily cost of food per officer, employee and inmate	.08 86-100c
Total cost of dry goods, clothing, bedding, shoes, etc	$3,211.65
Daily average number of inmates	961
Daily cost per inmate of above articles	.09 16-100c
According to our books the total amount paid out for 1897-98 was	$76,866.49
Less amount turned into Treasury from sale of junk, etc	791.25
Total cost to city for 1897-98	$76,075.24
Daily cost of institution	$208.42
Yearly cost per inmate	79.17c
Daily cost per inmate	.21 9-10c
Received from the sales of junk, bones, rags, etc	$ 95.25
Hogs (15,627 pounds)	676.00
One cow	20.00
Total turned over to City and County Treasurer	$791.25
Effects of deceased inmates turned over to City and County Treasurer	89.10

All vegetables consumed by the inmates were grown on the grounds this year, and the thirty acres growing in potatoes look very promising for a dry year.

About thirty tons of hay have been harvested from the grounds and saved in good condition.

Thirty cords of wood have been cut from the tree tops on the road.

The Board of Health have selected nine acres of land for the New City and County Hospital, and the same has been surveyed by the County Surveyor.

Water is still furnished an adjoining milk ranch, for

which we receive as compensation one can milk per day, valued at fifty cents.

The doctors and ambulance drivers from the Park Receiving Hospital have been boarded here during the year. The monthly entertainments for the amusement of the inmates have been kept up, and thanks are due to the many who have contributed time and talent to them.

We desire to return thanks to Mrs. Phoebe Hearst for the present of a handsome piano to our institution.

Dr. Pischl has continued his regular visits and given his gratuitous services as oculist to the inmates. The clergy of St. Dominic's and St. James' parishes, the Rev. D. O. Kelly, the Rev. W. H. Tubb, the Salvation Army, the Catholic Ladies' Aid Society, the German Ladies' Benevolent Society and the French Ladies' Aid Society have made regular visits and administered to many of the inmates in one way or another, to all of whom we desire to return thanks. During the past year the want of means has prevented many much needed improvements and repairs, and while the whole of No. 1 building needs new flooring, I was only able to newly floor a portion of the main hall, a part of the main stairway and the office. The roof of the new building needs new skylights and many other repairs. The old latrine having become a nuisance in reality as well as in appearance, has been replaced by a new one, with all modern improvements. I also found it necessary to lay 1,800 feet of new pipe to guard against fire. I desire to return thanks to the honorable Board of Fire Commissioners for the fine fire engine. I found it necessary to shelter the new fire engine in the new concrete house which has been built for that purpose. The cost of the new round-house or latrine was $1,609.62; the cost of the new fire engine house, the new pipes, etc., was $1,924.86. I am indebted to Chief Sullivan and Assistant Dougherty for many valuable suggestions in connection with the management of the fire engine.

Thanking the honorable Board of Health and the honorable Board of Supervisors for their kind support and cooperation, I respectfully submit this report.

E. A. REDDY,
Superintendent.

STATISTICS.

ALMSHOUSE EXPENSES FOR 1897-98.

Salaries of officers and employees	$20,249.20
Provisions, groceries, fruit, etc	32,080.16
Dry goods, clothing, etc	3,211.65
Tobacco	856.68
Medicines, drugs, liquors and alcohol	1,487.06
Repairs and materials of building	3,055.11
Repairs of ranges and stoves	3.38
Repairs of vehicles and horse-shoeing	1,047.85
Feed of horses and cattle	2,245.84
Tools, implements and hardware, etc	531.43
Crockery and utensils	184.83
Laundry supplies	229.68
Furniture, carpets, paints and oils	674.99
Printing and stationery	88.80
Petty expenses	56.01
Telephone	90.00
Material and labor and construction of new buildings	353.48
Fuel, light and water	7,239.47
Total	$76,866.49

Total cost of food for 1897-98	$32,080.16
Less amount turned into Treasury from sale of junk	791.25

NATIVITY OF INMATES ADMITTED.

UNITED STATES.

Alabama	2	Louisiana	3
California	9	Maine	7
Connecticut	4	Maryland	4
District of Columbia	2	Missouri	1
Indiana	2	Massachusetts	12
Georgia	1	Michigan	5
Illinois	3	New Hampshire	5
Kentucky	4	New Jersey	1

UNITED STATES—Continued.

Ohio	13	Utah	1
New York	55	Virginia	8
Pennsylvania	11	Vermont	7
Rhode Island	2	Wisconsin	1
South Carolina	1		
Tennessee	2	Total	166

FOREIGN.

Austria	7	Italy	6
Azores	1	Mexico	1
Belgium	3	Norway	6
Canada	11	Poland	3
Chile	1	Russia	2
China	5	Scotland	14
Canary Islands	1	Sweden	12
Denmark	6	Switzerland	5
England	40	West Indies	4
Finland	7	Western Islands	2
France	18		
Germany	85	Total foreign	520
Holland	1	United States	166
Ireland	278		
Iceland	1		686

OCCUPATION OF INMATES ADMITTED

Architect	1	Boilermaker	2
Assayer	1	Bricklayer	4
Baker	12	Brickmaker	1
Barber	6	Butcher	10
Barkeeper	2	Cabinetmaker	4
Blacksmith	4	Carpenter	24
Bookkeeper	5	Canvasser	2
Book agent	2	Carriage-maker	1

OCCUPATION OF INMATES—Continued.

Carriage painter	1
Carpet sewer	1
Cement worker	1
Chairmaker	1
Clerk	16
Coachman	4
Collector	1
Cook	46
Cooper	10
Coppersmith	1
Dishwasher	4
Dressmaker	4
Druggist	1
Domestic	67
Dyer	1
Engineer	8
Engraver	1
Farmer	9
Fireman	3
Florist	1
Foreman	1
Furrier	1
Gardener	9
Harnessmaker	1
Hack driver	1
Hostler	4
Housekeeper	8
Ironmolder	2
Janitor	1
Laborer	157
Laundress	1
Laundryman	4
Lecturer	1
Liveryman	1
Lodging-house keeper	1
Longshoreman	7
Machinist	5
Marble polisher	3
Mattressmaker	1
Merchant	3
Miner	26
Miller	3
News agent	2
Nurse	10
No occupation	10
Packer	1
Painter	13
Peddler	17
Plasterer	4
Plumber	2
Pianomaker	1
Porter	1
Printer	6
Preacher	1
Railroadman	6
Rancher	1
Reporter	2
Rigger	4
Sailor	19
Sawyer	2
Seamstress	3
Sheepherder	1
Shoemaker	9
Shirtmaker	1
Slateroofer	1
Stableman	4
Stevedore	1
Steward	1
Stonecutter	2
Tailor	8
Tanner	1
Teacher	5

OCCUPATION OF INMATES—Continued.

Teamster	8	Watchman	3
Telegraph operator	1	Watchmaker	2
Tinsmith	5	Weaver	3
Traveler	1	Wheelwright	1
Upholsterer	2	Window cleaner	3
Varnisher	3	Wiredrawer	2
Waiter	6		
Washer and ironer	4	Total	686

AGES OF INMATES ADMITTED.

From 10 to 19 years	—	From 60 to 70 years	275
From 20 to 30 years	15	From 70 to 80 years	161
From 30 to 40 years	32	From 80 to 90 years	16
From 40 to 50 years	59	From 90 to 100 years	6
From 50 to 60 years	122	Total	686

SOCIAL CONDITION OF INMATES ADMITTED.

Single	319
Married	71
Widowed	283
Divorced	10
Unknown	3
Total	686

RACE OF INMATES ADMITTED.

Caucasian	673
African	9
Mongolian	4
Total	686

BY WHOSE ORDER ADMITTED.

By His Honor Mayor Phelan	529
By Superintendent City and County Hospital	143
By Dr. Washington Dodge	1
By Dr. Gallwey (Health Office)	1
By Supervisor Smith	1
By Supervisor Devany	1
By Superintendent Reddy	10
Total	686

NUMBER OF TIMES ADMITTED AND RE-ADMITTED.

First time	420
Second time	105
Third time	50
Fourth time	40
Fifth time	30
Sixth time	13
Seventh time	9
Eighth time	9
Ninth time	5
Tenth time	1
Eleventh time	1
Twelfth time	1
Fifteenth time	1
Twenty-first time	1
Total	686

The following is a resume of the work done in the different departments during the year:

TAILORING DEPARTMENT.

Men's cassimere coats made	37
Men's cassimere pants made	52
Men's cassimere vests made	56
Men's blue jean overalls made	246
Men's blue jean blouses made	78
Coats, pants, vests, etc., repaired	278

SHOEMAKING DEPARTMENT.

Men's shoes made, pairs	167
Men's slippers made, pairs	6
Men's shoes repaired, pairs	769
Women's shoes repaired, pairs	133

FEMALE DEPARTMENT.

The female inmates have made:

Men's overshirts	921
Men's undershirts	4
Men's caps	90
Men's shrouds	70
Men's aprons	156
Women's drawers	30
Women's Canton shirts	7
Women's nightgowns	2
Women's aprons	123
Women's Canton undershirts	3
Women's shrouds	45
Women's dresses	42
Women's underwaists	36
Women's basques	20
Women's chemise	27
Women's burial chemise	3
Women's caps	48
Women's knit stockings	11
Women's flannel undervests	4
Sheets	172
Pillowslips	202
Pillowticks	52
Bedticks	42
Bedspreads	38
Roller towels	63
Hand towels	35
Scrin curtains	25
Napkins	88

FARM.

House, lot No. 1, grounds and road	5 acres
No. 2 building, grounds and road	5 acres
Hospital lot, grounds and road	4 acres
No. 4 building, grounds and road	2 acres

UNDER CULTIVATION.

Potatoes	30 acres
Hay	9 acres
Pasturage	8 acres
Vegetables	15 acres
Waste lands	2 acres
Total	80 acres

LIVE STOCK.

Horses	14
Cows	2
Calves	5
Hogs, large	50
Hogs, small	30
Chickens	60

REPORT OF MEDICAL DEPARTMENT OF THE CITY AND COUNTY ALMS HOUSE.

San Francisco, July 1st, 1898.

To the Honorable the Board of Health
Of the City and County of San Francisco—

GENTLEMEN: I hereby present to your honorable board the yearly report of the Medical Department of the City and County Almshouse for the fiscal year ending June 30th, 1898:

Number of inmates July 1st, 1897	921
Average number of inmates	961
Number of deaths during year	142
Number of cases treated during year	4,432
Number of prescriptions	8,203
Cost of drugs, alcohol, liquors, surgical supplies, etc.	$1,487.06
Remaining in house July 1st, 1898	990

NATIVITY OF DECEASED PERSONS.

Austria	2	Italy	1
Azores Islands	1	Norway	3
Belgium	1	Poland	1
China	1	Portugal	1
Canada	3	Scotland	2
East Indies	1	Sweden	4
England	10	Turkey	1
Finland	2	United States	30
France	11	Unknown	1
Germany	17		
Ireland	49	Total	142

CAUSES OF DEATH.

DISEASES.	MALE.	FEMALE.	TOTAL.
CLASS A—GENERAL DISEASES			
SEPTIC—			
Septicemia (due to anthrax)	1	.....	1
CONSTITUTIONAL—			
Epithelioma of pharynx and larynx	2	1	3
Rheumatism	.....	2	2
Sarcoma of breast and liver	1	1	2
Tuberculosis pulmonalis	9	2	11
DEVELOPMENTAL—			
Senility	37	7	44
CLASS B—LOCAL DISEASES.			
NERVOUS SYSTEM—			
Apoplexy, cerebral	2	1	3
Brain, softening of	21	1	22
Epilepsy	2	.....	2
Meningitis, cerebral	1	.....	1
Paralysis, spinal	4	.....	4
Paralysis, general	2	.....	2
CIRCULATORY SYSTEM—			
Heart, valvular disease of	10	1	11
Heart, fatty	2	.....	2
Heart, dilatation of	12	1	13
RESPIRATORY SYSTEM—			
Bronchitis, chronic	2	.....	2

CAUSES OF DEATH—CONTINUED.

DISEASES.	MALE.	FEMALE.	TOTAL.
RESIRATORY SYSTEM—Continued—			
Bronchitis and asthma	1	1	2
Pneumonia	1	1	2
Pleurisy, purulent	1	.....	1
DIGESTIVE SYSTEM—			
Enteritis, acute	1	.....	1
Liver, cirrhosis of	1	.....	1
URINARY SYSTEM—			
Nephritis, chronic	6	2	8
CLASS C—VIOLENT DEATHS.			
Coroner's cases (suicides)	2	.....	2
	121	21	142

TABLE SHOWING AVERAGE NUMBER OF INMATES, TOTAL DEATHS, DISPENSARY EXPENSES AND PERCENTAGE OF MORTALITY FOR TWELVE YEARS.

YEAR.	Average Number Inmates.	Deaths	Dispensary Expenses	Percentage of Mortality..
1886-87.....	613	110	$1,881 83	.1794
1887-88.....	625	121	2,652 35	.1936
1888-89.....	687	135	2,108 16	.1965
1889-90.....	750	143	2,090 61	.1907
1890-91.....	736	156	1,924 09	.2106
1891-92.....	748	178	2,382 72	.2380
1892-93.....	752	139	1,591 08	.1848
1893-94.....	782	138	1,485 72	.1764
1894-95.....	824	166	1,439 31	.2014
1895-96.....	847	146	1,459 99	.1724
1896-97.....	912	119	1,118 46	.1305
1897-98.....	961	142	1,487 07	.1478

Respectfully submitted,

W. E. CONLAN, M. D.

Resident Physician.

STATISTICAL DIVISION.

MORTUARY STATISTICS.

TABLE

CLASSIFIED REPORT OF DEATHS,

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
GENERAL DISEASES	**1558**	**1129**	**2687**
SPECIFIC FEBRILE	156	145	301
Cerebro-spinal meningitis	18	12	30
Diphtheria	76	78	154
Influenza (La Grippe)	5	10	15
Malarial fevers	5	5	10
Measles	1	.....	1
Pertussis (whooping-cough)	11	14	25
Scarlet fever	3	6	9
Typhoid fever	37	20	57
DIARRHEAL	44	24	68
Cholera infantum	32	15	47
Cholera morbus	2	2	4
Diarrhea	1	2	3
Diarrhea, infantile	4	3	7
Dysentery	5	2	7

NO I.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July.....		August....		September.		October....		November.		December.		January...		February..		March.....		April.....		May.....		June.....	
Male..	Female	Male.	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
2	1	2	2	...	2	...	...	1	...	...	...	2	1	1	1	3	2	2	...	1	2	4	1
1	4	5	3	5	6	5	9	8	6	4	4	11	12	5	6	8	4	15	9	7	12	2	3
...	...	..	...	...	...	...	...	...	...	...	2	...	2	2	1	2	1	1	3	...	1	...	...
...	...	1	...	2	...	1	1	...	1	...	...	...	...	...	1	1	...	...	1	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	1	...	...	...
1	3	...	1	...	1	1	1	...	...	2	1	...	2	2	1	1	...	...	2	2	1	2	1
...	...	...	1	...	2	...	...	...	...	...	...	2	1	...	1	...	...	1	...	...	1	...	...
1	2	3	2	3	1	5	2	5	...	3	1	5	2	3	...	3	3	...	2	4	4	2	1
8	2	2	...	4	5	3	2	1	1	3	1	...	1	...	...	...	1	2	...	5	1	4	1
...	2	...	...	...	...	...	...	1	...	1	..	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
...	...	...	...	2	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	..	1	...	1
...	1	1	...	...	...	1	1	...	...	1	...	1	...	...	...	...	...	...	...	...	...	1	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
VENEREAL	24	9	33
Syphilis, acquired	9	.....	9
Syphilis, congenital	15	9	24
SEPTIC	39	56	95
Erysipelas	5	2	7
Puerperal septicemia	.....	23	23
Pyemia	7	8	15
Septicemia (cause not stated)	17	10	27
Septicemia following laryngectomy	1	.....	1
Septicemia following celiotomy	1	2	3
Septicemia following intrapelviotomy	3	7	10
Septicemia following repair of cervix	.....	1	1
Septicemia following Caesarean section	.....	1	1
Septicemia following carbuncle of face	.....	1	1
Septic endocarditis	2	.....	2
Septic pericarditis	2	.....	2
Tetanus	1	1	2
PARASITIC	1	1	2
Intestinal worms	1	.....	1
Thrush	.....	1	1
DIETETIC	122	111	233
Malnutrition	4	4	8

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	2	...	...	...	...	...	2	..	3	...	...	...	...	...	1	...	1	...	...	...	...	.
5	...	2	...	1	1	2	...	1	2	...	2	1	...	1	...	...	3	1	...	1	...	...	1
...	...	...	...	...	...	...	...	1	1	...	.	..	1	1	...	1	...	1	...	1	...	...	...
...	2	...	1	...	...	..	2	...	5	...	3	...	2	...	...	...	3	...	2	...	2	...	1
...	...	...	1	...	...	2	1	1	1	1	1	...	1	1	..	1	1	...	...	...	1	1	1
2	1	1	1	...	...	...	...	2	2	1	1	3	...	1	...	3	3	1	1	2	1	1	...
...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	1	.	...	...	...	...
...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1
...	...	...	...	...	...	...	1	1	1	1	1	1	2	...	1	...	...	...	...	...	...	...	1
...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	1
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..	.	...	.	...	...	...	...	...	...	1	..	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	1	...	...	.	...	...	...
2	2	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
DIETETIC—Continued.			
Inanition	118	107	225
CONSTITUTIONAL	970	641	1611
Arthritis deformans	1	3	4
Anemia, chlorosis	11	10	21
Carcinoma of breast	.....	24	24
Carcinoma of liver	29	25	54
Carcinoma of rectum	7	5	12
Carcinoma of stomach	48	30	78
Carcinoma of uterus	.....	61	61
Carcinoma of ovaries	.....	1	1
Carcinoma (not specified)	19	8	27
Carcinoma disseminata	.....	1	1
Carcinoma of arm	1	1	2
Carcinoma of axilla	1	.....	1
Carcinoma of bile ducts	2	.....	2
Carcinoma of bladder	4	1	5
Carcinoma of colon	3	2	5
Carcinoma of esophagus	7	.....	7
Carcinoma of face	9	2	11
Carcinoma of intestines	1	4	5
Carcinoma of kidney	1	1	2
Carcinoma of maxilla	2	.....	2

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.												1898.											
July.....		August...		September.		October...		November.		December.		January...		February..		March.....		April		May.....		June.....	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female
8	8	16	9	7	7	18	8	11	16	5	8	10	4	6	9	6	9	10	9	12	10	9	10
...	...	...	1	1	1	...	...	...	...	...	1	...	.	...	...	...	...	...	...	...	...	...	...
2	...	3	2	...	2	...	...	...	...	1	...	2	2	...	1	1	...	1	...	1	1	...	2
...	3	...	1	...	2	...	3	...	2	...	2	...	2	...	...	...	3	...	1	...	3	...	2
5	4	1	3	1	3	1	2	4	1	3	...	2	1	4	2	3	3	...	...	2	3	3	3
1	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	1	1	...	1	3	2	...
5	...	2	3	8	4	...	...	4	3	5	2	3	1	2	1	5	5	2	3	5	6	7	2
...	4	...	3	...	3	...	8	...	5	...	6	...	6	...	8	...	4	...	5	...	5	...	4
...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	1	...	...	...	...
3	2	2	1	6	1	2	1	1	1	2	...	2	1	1	1	...	...	...	...	...	...	...	...
...	..	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	..	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	..	...	...
...	...	...	...	...	...	1	...	..	...	...	...	1	...	...	...	2	...	...	...	...	1	...	...
...	...	...	.	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	..	...	...	...	2
1	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	1	...	...	...
1	...	1	...	...	...	1	...	2	1	...	...	...	...	...	...	2	...	...	...	1	1	1	...
...	2	...	...	1	1	..	...	...	.	...	...	...	...	...	...	...	...	...	...	..	1	...	...
...	...	...	...	...	...	...	1	...	...	...	..	...	...	1	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	..	...	...	...	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CONSTITUTIONAL—Continued.			
Carcinoma of mediastinum	.....	1	1
Carcinoma of neck	7	.....	7
Carcinoma of nose	1	.....	1
Carcinoma of omentum	7	2	9
Carcinoma of pancreas	.....	2	2
Carcinoma of parotid gland	1	.....	1
Carcinoma of peritoneum	1	2	3
Carcinoma of pharynx	4	2	6
Carcinoma of prostate gland	2	.....	2
Carcinoma of spleen	.....	2	2
Carcinoma of tongue	7	.....	7
Diabetes	30	25	55
Gout	1	.....	1
Hemophilia	2	4	6
Leucocythemia	5	1	6
Leprosy	2	.....	2
Rheumatism	4	14	18
Rickets	.....	1	1
Sarcoma (not specified)	1	2	3
Sarcoma of abdomen	.....	4	4
Sarcoma of colon	1	.....	1
Sarcoma disseminata	4	1	5
Sarcoma of groin	1	.....	1

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	1	...	2	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1	...	...	1	1	...	3	...	1	...	...	...	1	..	...	...	...	1	...	..	...	...
...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	...	1
...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	..	...	...	...	1	...	...
1	..	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	1	1	...	...	...
...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
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1	...	1	...	...	...	...	...	...	...	...	...	2	..	...	...	...	...	...	...	2	...	1	...
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TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CONSTITUTIONAL—Continued.			
Sarcoma of ileum	1		1
Sarcoma of intestines	1		1
Sarcoma of kidney	1		1
Sarcoma of larynx	1		1
Sarcoma of liver	1		1
Sarcoma of lung	1		1
Sarcoma of mediastinum		1	1
Sarcoma, melanotic	1		1
Sarcoma of maxilla		1	1
Sarcoma of neck	4		4
Sarcoma of omentum		1	1
Sarcoma of uterus		4	4
Tuberculosis, articular	7	3	10
Tuberculosis, cerebral, meningeal	28	25	53
Tuberculosis, glandular	2	3	5
Tuberculosis, general	7	9	16
Tuberculosis, miliary	8	1	9
Tuberculosis, peritoneal	13	8	21
Tuberculosis, pulmonary	654	340	994
Tuberculosis, laryngeal	3	1	4
Tuberculosis, intestinal	5	2	7
Tuberculosis, spinal	5		5

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.													
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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46	28	30	25	42	20	49	21	60	32	53	33	64	33	61	28	75	35	71	33	58	32	45	20
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2	...	...	...	1	...	...	..	...	...	...	..	...	...	...	..	...	...	2	...	...	...	...	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
DEVELOPMENTAL	202	142	344
Atelectasis, congenital	15	9	24
Cardiac malformation (cyanosis)	8	8	16
Icterus neonatorum	9	1	10
Marasmus, infantile	28	24	52
Marasmus, senile	15	8	23
Dystocia	2	1	3
Senility	121	89	210
Spina bifida	1	2	3
Asphyxia neonatorum	2	.....	2
Strangulation of umbilical cord	1	.....	1
LOCAL DISEASES	**2044**	**1372**	**3416**
NERVOUS SYSTEM	425	287	712
Alcoholism	25	11	36
Apoplexy, cerebral	167	116	283
Brain, abscess of	4	3	7
Brain, congestion of	4	7	11
Brain, softening of	28	13	41
Brain, tumor of	9	3	12
Brain, edema of	.....	1	1
Brain, sclerosis of	1	1	2
Chorea	1	2	3

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July.....		August....		September.		October....		November.		December.		January...		February..		March.....		April.....		May.....		June....	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
3	1	1	1	1	...	1	2	2	...	...	1	4	1	3	1	...	1	...	1	...	...	...	...
..	1	1	1	..	...	2	...	...	1	1	1	1	2	...	1	...	...	...	...	...	...	3	1
...	..	2	...	...	...	1	1	1	...	1	...	...	...	1	...	1	...	1	...	...	...	1	...
5	2	2	2	4	1	3	3	6	2	1	1	2	2	1	4	...	1	2	1	2	3	...	2
1	...	1	1	...	1	1	1	3	1	...	...	1	3	2	..	3	1	1	...	2	...	...	...
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7	4	7	8	11	3	6	5	11	7	18	4	6	11	11	9	11	10	15	10	13	5	5	13
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1	...	2	...	2	...	3	1	3	3	4	2	1	2	1	...	2	...	2	...	2	1	2	2
14	5	5	8	11	7	12	7	13	16	16	11	12	12	17	10	21	14	15	4	16	14	15	8
...	1	1	1	...	1	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	..	...	...
...	3	1	...	1	...	...	...	...	...	...	1	...	1	...	1	2	1	...	...	...	...	...	...
2	...	1	1	...	1	4	2	2	...	3	1	3	...	2	3	4	2	3	1	3	2	1	...
1	...	1	...	1	1	2	...	...	...	...	..	1	...	1	...	1	1	...	...	...	1	1	...
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TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
NERVOUS DISEASES—Continued.			
Convulsions, infantile	40	40	80
Acromegalia	.....	1	1
Eclampsia (not puerperal)	.....	3	3
Encephalitis, Cerebritis	13	6	19
Epilepsy	5	6	11
Hydrocephalus	2	5	7
Insanity	1	1	2
Laryngismus stridulus	1	.....	1
Locomotor ataxia	6	.....	6
Meningitis, cerebral	63	46	109
Meningitis, spinal	4	1	5
Morphinism	12	2	14
Myelitis	12	3	15
Neuritis (not specified)	2	1	3
Paralysis, ascending	.....	1	1
Paralysis, traumatic	1	.....	1
Paralysis, bulbar	3	1	4
Paralysis agitans	5	2	7
Paralysis, general; paresis	15	9	24
Progressive muscular atrophy	.....	1	1
Sclerosis of spinal cord	1	1	2
CIRCULATORY SYSTEM	481	246	727
Aneurism of aorta	19	5	24

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	4	2	1	3	3	3	2	5	1	5	5	4	3	2	4	7	4	2	8	2	2	4	3
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TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CIRCULATORY SYSTEM—Continued.			
Angina pectoris	19	14	33
Arterio-Sclerosis, Endarteritis	15	5	20
Embolism, Thrombosis	8	9	17
Endocarditis	47	28	75
Heart, fatty	47	38	85
Heart, valvular disease of	307	129	436
Hydropericardium	2	1	3
Myocarditis	8	6	14
Pericarditis	5	5	10
Senile heart	1	.....	1
Senile gangrene	3	5	8
Phlebitis	.....	1	1
RESPIRATORY SYSTEM	554	426	980
Asthma	21	14	35
Bronchitis	86	93	179
Broncho-Pneumonia	65	72	137
Croup, catarrhal	5	.....	5
Hydrothorax	1	.....	1
Laryngitis	9	4	13
Pharyngitis, phlegmonous	1	.....	1
Pseudo-diphtheria	1	3	4
Pleurisy	6	3	9
Purulent pleurisy	15	5	20

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July.....		August....		September.		October...		November.		December.		January...		February..		March.....		April. ...		May.....		June.....	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
2	2	..	...	4	1	...	3	4	...	1	1	5	1	1	1	1	1	...	3	...	...	1	1
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5	1	1	2	3	...	3	2	6	2	2	3	4	1	2	2	9	6	5	3	2	4	5	2
3	2	1	2	2	1	3	4	9	4	1	2	12	5	7	5	3	7	4	3	2	...	1	2
31	12	26	8	22	8	20	12	25	13	36	7	30	10	22	15	33	8	19	10	19	15	24	11
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6	7	11	5	6	10	4	7	4	8	8	9	12	11	10	7	12	10	7	9	3	7	3	3
...	...	...	1	2	2	4	7	4	4	7	5	6	15	6	7	10	14	11	7	6	6	9	4
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TABLE NO. 1

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
RESPIRATORY SYSTEM—Continued.			
Pneumonia	301	217	518
Pulmonary congestion	31	12	43
Fibroid phthisis	3	3	6
Lung, abscess of	5	.....	5
Lung, gangrene of	4	.....	4
DIGESTIVE SYSTEM	331	231	562
Appendicitis	22	6	28
Enteritis, entero-colitis	70	64	134
Gallstones	3	2	5
Gastric hemorrhage (cause not stated)	3	6	9
Gastric ulcer	6	6	12
Gastritis	15	27	42
Gastro-enteritis	40	29	69
Hernia, strangulated	9	7	16
Intestines, obstruction of	16	17	33
Intestines, intussusception of	6	5	11
Volvulus	.....	2	2
Liver, abscess of	8	5	13
Liver, cirrhosis of	96	28	124
Liver, inflammation of	15	6	21
Liver, congestion of	.....	1	1
Liver, acute yellow atrophy of	1	.....	1
Esophagus, stricture of	3	.....	3

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.												1898.											
July.....		August....		September.		October....		November.		December.		January...		February..		March.....		April.....		May.....		June.....	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
15	11	21	8	5	9	15	11	31	18	37	17	31	36	29	32	31	27	44	21	25	18	17	9
3	1	1	...	3	...	3	1	1	1	3	1	2	2	3	3	7	2	1	...	1	...	3	1
1	...	...	...	...	1	...	...	...	1	...	...	1	...	...	1	...	...	1	...	...	...	...	...
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3	1	1	...	3	...	1	.	1	1	1	...	...	1	...	1	3	...	1	...	6	1	2	1
8	7	4	6	7	3	3	7	7	10	8	3	5	5	5	3	3	3	2	5	9	7	9	5
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2	2	1	1	1	1	2	2	1	2	...	3	3	5	..	1	3	6	1	...	1	2	...	2
...	5	5	6	5	3	2	4	2	2	3	2	2	2	3	3	4	2	2	2	5	2	2	1
...	...	2	...	3	...	2	...	...	...	...	...	...	2	...	...	...	2	2	1	...	...	...	2
1	1	..	2	1	2	3	2	1	3	1	...	3	4	2	...	1	1	1	1	2	1	...	...
1	1	1	1	...	1	...	...	1	...	1	...	...	...	1	1	...	.	...	...	1	1	...	...
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2	...	...	1	...	1	. .	...	...	...	1	...	...	1	...	...	2	...	1	...	1	1	1	1
4	...	2	2	6	2	14	2	12	3	4	3	13	5	5	1	15	4	8	2	8	3	5	1
1	1	2	...	2	...	2	...	...	1	1	...	1	2	2	...	...	...	1	1	1	...	2	1
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TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
DIGESTIVE SYSTEM—Continued.			
Pancreas, abscess of	.....	1	1
Stomatitis, gangrenous	1	1	2
Peritonitis	17	17	34
Typhlitis	.....	1	1
ABSORBENT AND GLANDULAR SYSTEM	3	5	8
Lymphadenoma	1	.....	1
Myxedema	.....	1	1
Tonsilitis	1	4	5
Tonsilitis, suppurative	1	.....	1
URINARY SYSTEM	234	127	361
Calculus, renal	2	.....	2
Calculus, vesical	2	1	3
Cystitis, acute	3	2	5
Cystitis, chronic	8	2	10
Nephritis, acute	39	26	65
Nephritis, chronic	145	79	224
Kidney, abscess of	3	1	4
Kidney, cystic disease of	1	.....	1
Anuria (post-operativè)	1	.....	1
Prostate gland, abscess of	1	.....	1
Pyelitis	13	4	17
Uremia (cause not stated)	16	12	28

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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5	3	2	1	3	4	4	2	8	8	2	1	5	4	2	...	4	1	3	1	...	1	1	...
7	4	14	3	15	10	12	8	9	2	17	10	12	5	13	6	12	6	9	11	11	6	14	8
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...	...	1	2	2	1	5	2	4	2	1	1	2	...	1	3	...	...	...	...	...	..	...	1

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
REPRODUCTIVE SYSTEM	.....	42	42
Abortion, miscarriage	.....	5	5
Dystocia	.....	3	3
Pelvic abscess	.....	5	5
Pelvic peritonitis	.....	2	2
Placenta previa	.....	5	5
Puerperal eclampsia	.....	4	4
Puerperal hemorrhage	.....	6	6
Pelvic hematoma	.....	1	1
Puerperal insanity	.....	1	1
Puerperal emesis	.....	2	2
Phlegmasia alba dolens	.....	1	1
Pyosalpinx	.....	6	6
Salpingitis	.....	1	1
OSSEOUS AND INTEGUMENTARY SYSTEM	16	8	24
Abscess multiple	.....	1	1
Abscess, lumbar	1	.....	1
Abscess, mastoid	2	1	3
Abscess of abdomen	3	1	4
Abscess of leg	1	1	2
Abscess of mediastinum	1	.....	1
Cyst, sublingual dermoid	1	.....	1
Carbuncle of neck	2	.....	2
Eczema	.....	1	1

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. 1

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
OSSEOUS AND INTEGUMENTARY SYSTEM—Continued			
Gangrene of leg	1	1	2
Gangrene of umbilical cord	1	.....	1
Mastoiditis	1	.....	1
Necrosis of sternum and ribs	1	.....	1
Pemphigus	.....	2	2
Phlegmon of leg	1	.....	1
VIOLENT DEATHS	**336**	**105**	**441**
MISADVENTURE AND NEGLIGENCE	183	74	257
Anesthesia	1	1	2
Shock following amputation	2	3	5
Shock following celiotomy	7	8	15
Shock following intrapelviotomy	.....	13	13
Shock following Caesarean section	.....	1	1
Asphyxiation, foreign body in trachea	4	1	5
Asphyxiation by illuminating gas	12	13	25
Asphyxiation, smothered in bed	1	1	2
Burns and scalds	5	9	14
Burns (sat on hot stove)	1	.....	1
Crushed by falling gate	1	.....	1
Crushed by freight	2	.....	2
Crushed, collision on bay	1	.....	1
Caving-in of excavation	2	.....	2
Drowning	36	.....	36

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July.....		August...		September.		October...		November.		December.		January...		February..		March.....		April.....		May.....		June.. ..	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
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...	1	...	...	...	3	...	1	...	...	...	...	...	1	...	1	...	1	...	3	...	1	...	1
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...
1	...	...	2	...	...	1	...	2	4	...	1	...	2	1	1	3	...	1	1	3	2	...	...
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1	2	...	...	1	...	...	1	1	1	...	...	...	1	...	1	...	1	...	...	1	...	1	2
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4	...	3	...	3	...	2	...	3	...	2	...	5	...	2	...	2	...	6	...	2	...	2	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
MISADVENTURE AND NEGLIGENCE—Continued.			
Explosion	3	.....	3
Exposure	.....	1	1
Fall from building	9	1	10
Fall from ladder	1	.....	1
Fall from electric light pole	1	.....	1
Fall down stairs	5	.....	5
Falls	12	7	19
Fall on coal chute	1	.....	1
Fall from cable car	1	.....	1
Fall from bicycle	1	.....	1
Fall from vehicles	5	.....	5
Fall down embankment	2	.....	2
Fall from rigging of ship	1	.....	1
Fall into hold of ship	6	.....	6
Fall down elevator shaft	1	.....	1
Firearms	4	3	7
Criminal abortion	.....	3	3
Killed by electricity	2	.....	2
Killed by machinery	6	.....	6
Killed by elevators	3	.....	3
Killed by falling iron	1	.....	1
Killed by falling plank	1	.....	1
Killed by railroads	6	1	7
Killed by street cars (electric)	8	3	11

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July.....		August....		September.		October....		November.		December.		January...		February..		March.....		April		May.....		June.....	
Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female	Male .	Female
1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...
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TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
MISADVENTURE AND NEGLIGENCE—Continued.			
Killed by street cars (cable)	2	.....	2
Run over by vehicles	8	3	11
Kicked by cow	1	.....	1
Kicked by horse	2	.....	2
Thrown from horse	2	.....	2
Lead poisoning	4	.....	4
Ptomaine poisoning	2	1	3
Poisons, carbolic acid	2	1	3
Poisons, morphine	3	.....	3
Poisons, wine of colchicum	1	.....	1
Decomposed and disorganized remains	1	.....	1
HOMICIDE	26	2	28
By blows	4	1	5
By cutting instrument	5	.....	5
By firearms	16	1	17
Infanticide	1	.....	1
SUICIDE	127	29	156
By cutting instrument	4	1	5
By charcoal fumes	1	.....	1
By drowning	7	1	8
By firearms	41	3	44
By hanging	6	2	8
By illuminating gas	20	3	23

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.														1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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1	...	2	...	1	...	1	1	2	1	1	1	...	...	5	..	2	...	1	...	2	...	2	...

TABLE NO. I

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
SUICIDE—Continued.			
By jumping from building	3	1	4
By amylic alcohol	1	.....	1
By carbolic acid	15	15	30
By cebadilla	1	.....	1
By cyanide of potassium	7	.....	7
By hydrocyanic acid	2	... ...	2
By opium; morphine	13	1	14
By strychnine	6	2	8
TOTALS	**3938**	**2606**	**6544**

—CONTINUED.

ARRANGED ACCORDING TO MONTHS.

1897.												1898.											
July		August		September		October		November		December		January		February		March		April		May		June	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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289	184	254	172	279	189	298	202	355	231	356	212	368	291	337	223	424	269	367	225	321	237	284	177

TABLE

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
GENERAL DISEASES	**1558**	**1129**	**2687**						
SPECIFIC FEBRILE	156	145	301						
Cerebro-spinal meningitis	18	12	30	7	1	...	2	3	1
Diphtheria	76	78	154	2	1	12	4	6	10
Influenza (La Grippe)	5	10	15	....	....	....	....	....	1
Malarial fevers	5	5	10	....	1	....	....	....	....
Measles	1	.....	1	....	....	....	....	....	...
Pertussis (whooping-cough)	11	14	25	6	7	2	5	3	1
Scarlet fever	3	6	9	....	....	....	1	....	....
Typhoid fever	37	20	57	....	....	....	....	..	....
DIARRHEAL	44	24	68						
Cholera infantum	32	15	47	26	13	5	1	....	1
Cholera morbus	2	2	4	1	1	...	....	....	....
Diarrhea	1	2	3	....	....	....	....	...	....
Diarrhea, infantile	4	3	7	3	3	....	....	1	....
Dysentery	5	2	7	1	....	....	....	....	....
VENEREAL	24	9	33						
Syphilis, acquired	9	...	9	....	...	...	...	....	....
Syphilis, congenital	15	9	24	15	8	....	1	....	....
SEPTIC	39	56	95						
Erysipelas	5	2	7	....	....	....	....	....	....
Puerperal septicemia	.....	23	23	....	....	..	....	....	....

NO. II.

ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	1	2	...	2	4	3	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	12	11	7	24	38	9	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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...	...	...	...	...	...	...	2	...	15	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
SEPTIC—Continued.									
Pyemia	7	8	15	..	...	....	....	....	..
Septicemia (cause not stated)	17	10	27	....	1	...	..	..	...
Septicemia following laryngectomy	1	.....	1	...	....	....	....	....	....
Septicemia following celiotomy	1	2	3	..	....	...	....	....	....
Septicemia following intrapelviotomy	3	7	10	....	....	...	....	....	....
Septicemia following repair of cervix	.....	1	1	....	....	...	....	....	....
Septicemia following Caesarean section	.....	1	1	....	....	....	...	....	....
Septicemia following carbuncle of face	.....	1	1	....	...	....	....	...	....
Septic endocarditis	2	.....	2	1	....	....	....	....	....
Septic pericarditis	2	.....	2	....	....		....	....	....
Tetanus	1	1	2	....	....	....	....	....	....
PARASITIC	1	1	2						
Intestinal worms	1	.....	1	....	....	....	....	1	....
Thrush	.....	1	1	....	1	....	....	....	....
DIETETIC	122	111	233						
Malnutrition	4	4	8	4	3	....	....	....	....
Inanition	118	107	225	111	98	2	2	...	....
CONSTITUTIONAL—	970	641	1611						
Arthritis deformans	1	3	4	....	....	....	....	....	....
Anemia, chlorosis	11	10	21	1	....	1	....	....	1
Carcinoma of breast	.....	24	21	....	....	....	....	....	....
Carcinoma of liver	29	25	54	..	....	....	...	...	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.

2 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	...	...	...	...	...	...	2	2	...	4	3	...	2	...	1	1	...	...	...	...	...	...	...	...	...
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...	...	...	...	...	...	...	...	3	4	...	...	2	1	1	1	2	2	1	...	...	1	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	7	...	7	...	2	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	1	1	3	6	6	11	6	6	7	2	2	3	...	...	...	...	...	...	...

TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.									
Carcinoma of rectum	7	5	12	....	....	....	....	....	....
Carcinoma of stomach	48	30	78	....	....	....	....	....	....
Carcinoma of uterus	.....	61	61	....	....	....	....	....	....
Carcinoma of ovaries	....	1	1	....	....	....	....	....	....
Carcinoma (not specified)	19	8	27	....	....	....	....	....	....
Carcinoma, disseminata	.....	1	1	....	....	....	....	....	....
Carcinoma of arm	1	1	2	....	....	....	....	....	....
Carcinoma of axilla	1	.....	1	....	....	....	....	....	....
Carcinoma of bile ducts	2	....	2	....	....	....	....	....	....
Carcinoma of bladder	4	1	5	....	....	....	....	....	....
Carcinoma of colon	3	2	5	....	....	....	....	....	....
Carcinoma of esophagus	7	.....	7	....	....	....	....	....	....
Carcinoma of face	9	2	11	....	....	....	....	....	....
Carcinoma of intestines	1	4	5	....	....	....	....	....	....
Carcinoma of kidney	1	1	2	....	....	....	....	....	....
Carcinoma of maxilla	2	.....	2	....	....	....	....	....	....
Carcinoma of mediastinum	.....	1	1	....	....	....	....	....	....
Carcinoma of neck	7	.....	7	....	....	....	....	....	....
Carcinoma of nose	1	.....	1	....	....	....	....	....	....
Carcinoma of omentum	7	2	9	....	....	....	....	....	....
Carcinoma of pancreas	.....	2	2	....	....	....	....	....	....
Carcinoma of parotid gland	1	.....	1	....	....	....	....	....	....
Carcinoma of peritoneum	1	2	3	....	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.																																									
3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained		Total	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
								1		2	2		1	1	1	2	1	1											
										2	1	6	5	14	11	21	9	3	4	2									
											7		18		20		13		1		1		1						
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								1				5	2	4	2	7	1	2	2		1								
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				1		1		1		1		1	2	1		3													
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											2					1													

TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.									
Carcinoma of pharynx	4	2	6	....	....	....	....	....	....
Carcinoma of prostate gland	2	.....	2	...	....	....	....	....	....
Carcinoma of spleen	.....	2	2	....	....	....	....	....	....
Carcinoma of tongue	7	.....	7	....	....	....	....	....	....
Diabetes	30	25	55	....	....	....	....	...	....
Gout	1	.....	1	....	....	....	....	...	....
Hemophilia	2	4	6	2	4	....	....	....	....
Leucocythemia	5	1	6	....	....	1	..	....	....
Leprosy	2	.....	2	....	....	....	....	....	....
Rheumatism	4	14	18	....	....	....	....	....	....
Rickets	.....	1	1	....	....	....	...	....	1
Sarcoma (not specified)	1	2	3	....	....	....	....	. .	....
Sarcoma of abdomen	.....	4	4	....	....	....	....	....	....
Sarcoma of colon	1	.....	1	....	....	....	....	....	....
Sarcoma, disseminata	4	1	5	....	....	....	....	...	....
Sarcoma of groin	1	.....	1	....	....	....	....	....	....
Sarcoma of ileum	1	.....	1	....	...	....	....	....	....
Sarcoma of intestines	1	.....	1	....	....	....	....	..	...
Sarcoma of kidney	1	.....	1	....	....	....	....	....	....
Sarcoma of larynx	1	.....	1	....	....	...	....	....	...
Sarcoma of liver	1	.....	1	....	....	....	....	....	...
Sarcoma of lung	1	.....	1	....	....	...	....	....	....
Sarcoma of mediastinum	.....	1	1	....	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.									
Sarcoma, melanotic	1	.....	1	....	....	....	....	....	....
Sarcoma of maxilla	.....	1	1	....	....	....	....	....	....
Sarcoma of neck	4	.....	4	....	....	....	....	....	....
Sarcoma of omentum	.....	1	1	....	....	....	....	....	....
Sarcoma of uterus	....	4	4	....	....	....	....	....	....
Tuberculosis, articular	7	3	10	....	.	.. .	1	....	....
Tuberculosis, cerebral, meningeal	28	25	53	5	7	6	5	3	4
Tuberculosis, glandular	2	3	5	....	....	....	....	....	....
Tuberculosis, general	7	9	16	....	....	....	....	....	1
Tuberculosis, miliary	8	1	9	....	....	1	...	....	....
Tuberculosis, peritoneal	13	8	21	3	1	1	1	1	1
Tuberculosis, pulmonary	654	340	994	4	1	2	2	1	3
Tuberculosis, laryngeal	3	1	4	....	....	....	....	....	....
Tuberculosis, intestinal	5	2	7	....	1	...	. 1	....	....
Tuberculosis, spinal	5	.....	5	....	....	....	....	....	....
DEVELOPMENTAL	202	142	344						
Atelectasis, congenital	15	9	24	15	9	....	...	....	....
Cardiac malformation (cyanosis)	8	8	16	8	8	....	....	....	.. .
Icterus neonatorum	9	1	10	9	1	....	....	....	....
Marasmus, infantile	28	24	52	25	22	3	2	....	....
Marasmus, senile	15	8	23	....	....	....	....	....	....
Dystocia	2	1	3	2	1	....	....	....	....
Senility	129	89	210	....	...	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.																																			
3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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2	4	1	...	7	2	1	...	...	2	3	...	...	1	...	...	...	...	...	...	...	..	...	..	...	..	..	..
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1	...	1	3	5	11	23	27	150	131	176	79	160	39	80	25	41	14	10	1	..	3	..	1	..	..	..	..
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
DEVELOPMENTAL—Continued.									
Spina bifida	1	2	3	1	2	....	...	....	...
Asphyxia neonatorum	2	.....	2	2	....	....	....	....	....
Strangulation of umbilical cord	1	.....	1	1	....	....	....	....	...
LOCAL DISEASES	**2044**	**1372**	**3416**						
NERVOUS SYSTEM	425	287	712						
Alcoholism	25	11	36	....	....	....	....	....	....
Apoplexy, cerebral	167	116	283	2	....	....	....	...	....
Brain, abscess of	4	3	7	....	....	....	1	....	....
Brain, congestion of	4	7	11	1	....	....	....	....	1
Brain, softening of	28	13	41	....	....	....	....	....	....
Brain, tumor of	9	3	12	....	....	....	....	....	....
Brain, edema of	.....	1	1	....	....	....	....	....	....
Brain, sclerosis of	1	1	2	....	....	....	....	....	....
Chorea	1	2	3	....	....	....	....	....	....
Convulsions, infantile	40	40	80	31	27	4	11	2	2
Acromegalia	.....	1	1	....	....	....	....	....	....
Eclampsia (not puerperal)	.....	3	3	....	...	....	....	....	....
Encephalitis, Cerebritis	13	6	19	5	....	....	2	1	....
Epilepsy	5	6	11	....	....	....	1	....	....
Hydrocephalus	2	5	7	1	2	....	1	....	...
Insanity	1	1	2	....	....	....	....	....	....
Laryngismus stridulus	1	.....	1	1	....	....	....	....	....

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ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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...	...	...	...	...	...	...	...	3	1	10	5	13	12	32	26	47	31	52	31	8	10	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	1	1	...	1	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...
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TABLE No. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Males	Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
NERVOUS DISEASES—Continued.									
Locomotor ataxia	6	.....	6	....	...	1	....	....	....
Meningitis, cerebral	63	46	109	21	19	11	7	5	1
Meningitis, spinal	4	1	5	....	....	....	....	...	...
Morphinism	12	2	14	....	...	....	....	....	....
Myelitis	12	3	15	...	....	....	....	....	....
Neuritis (not specified)	2	1	3	...	....	....	....	...	....
Paralysis, ascending	.....	1	1	....	....	...	....	..	...
Paralysis, traumatic	1	.....	1	....	....	....	....	....	....
Paralysis, bulbar	3	1	4	...	...	....	....	....	....
Paralysis, agitans	5	2	7	....	....	....	....	....	....
Paralysis, general, paresis	15	9	24	....	....	...	....	....	....
Progressive muscular atrophy	.....	1	1	....	...	....	....	....	....
Sclerosis of spinal cord	1	1	2	.. .	....	....	....	....	....
CIRCULATORY SYSTEM	481	246	727						
Aneurism of aorta	19	5	4	....	....	....	....	...	....
Angina pectoris	19	14	33	....	....	....	....	...	....
Arterio-sclerosis, endarteritis	15	5	20	....	....	....	....	....	....
Embolism, Thrombosis	8	9	17	....	..	...	....	....	....
Endocarditis	47	28	75	....	....	....	...	....	1
Heart, fatty	47	38	85	....	....	....	..	....	....
Heart, valvular disease of	307	129	436	2	2	...	....	....	....
Hydropericardium	2	1	3	....	....	....	..	....	....
Myocarditis	8	6	14	....	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	...	...	...	...	...	...	...	1	...	1	..	2	..	1	...	...	...	...	...	...	...	...	...	...	...
3	2	3	2	3	3	3	...	3	2	5	5	3	3	2	1	...	1	1	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	5	...	7	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1	..	...	...	...	...	1	...	2	1	1	...	1	...	3	1	3	...	...	1	...	...	...	...	...	...	...	...
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...	...	...	...	...	...	...	. .	...	1	5	...	8	1	1	2	4	1	...	...	1	..	...	...	...	...	...	...
...	...	...	...	...	...	...	2	2	1	...	2	4	4	2	1	5	3	5	...	1	1	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	1	1	...	...	4	1	4	1	3	1	2	..	..	1	...	...	.	...
...	...	...	...	...	...	...	...	1	1	3	2	1	...	1	3	...	1	2	2	...	..	...	...	...	...	...	...
...	...	1	...	2	...	3	4	6	5	8	7	12	3	8	2	3	2	2	4	1	..	1	..	.	..	...	...
...	...	...	...	...	...	...	1	1	2	2	1	11	5	9	5	14	10	10	11	..	3	...	...	...	...	...	...
...	...	...	...	1	3	5	7	18	10	32	13	50	15	59	26	83	23	50	25	5	5	2	..	..	..	...	...
...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Males	Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
CIRCULATORY SYSTEM—Continued.									
Pericarditis	5	5	10	....	....	....	....	....	....
Senile heart	1	.....	1	....	....	....	...	....	....
Senile gangrene	3	5	8	....	....	....	....	....	....
Phlebitis	.....	1	1	....	....	....	....	....	....
RESPIRATORY SYSTEM	554	426	980	....	....	....	....	....	....
Asthma	21	14	35	1	....	....	....	....	....
Bronchitis	86	93	179	32	30	1	8	1	2
Broncho-pneumonia	65	72	137	17	22	11	6	....	5
Croup, catarrhal	5	.....	5	1	...	....	....	1	....
Hydrothorax	1	.....		....	....	....	....	..	....
Laryngitis	9	4	13	....	....	1	1	....	1
Pharyngitis, phlegmonous	1	.....	1	...	....	....	....	....	....
Pseudo-diphtheria	1	3	4	....	....	....	....	....	....
Pleurisy	6	3	9	1	....	...	....	....	....
Purulent pleurisy	15	5	20	...	....	...	....	....	1
Pneumonia	301	217	518	36	36	16	8	8	2
Pulmonary congestion	31	12	43	4	3	1	1	1	...
Fibroid phthisis	3	3	6	....	....	....	....	....	....
Lung, abscess of	5	.....	5	....	....	....	....	....	....
Lung, gangrene of	4	.....	4	....	....	....	....	....	....
DIGESTIVE SYSTEM	331	231	562						
Appendicitis	22	6	28	1	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES																															
3 to 4 years....		4 to 5 years....		5 to 10 years....		10 to 20 years....		20 to 30 years....		30 to 40 years....		40 to 50 years....		50 to 60 years....		60 to 70 years....		70 to 80 years....		80 to 90 years....		90 to 100 years....		Over 100 years....		Unascertained....	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
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1	1	3	3	2	6	2	...	...	2	7	4	1	2	9	3	8	6	3	11	1	1	..	..	..	.	..	..
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4	1	5	6	4	3	5	6	27	18	32	23	52	20	48	20	43	36	18	30	3	8	..	..	..	..	..	..
1	...	...	...	...	1	...	...	2	...	2	2	7	...	3	1	7	1	2	2	1	1	..	..	..	..	..	..
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...	...	...	..	3	2	5	2	8	1	2	1	...	...	1	...	1	...	...	...	..	..	..	..	..	..	1	..

TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
DIGESTIVE SYSTEM—Continued.									
Enteritis, entero-colitis	70	64	134	55	38	2	3	....	1
Gallstones	3	2	5	....	....	....	....	....	....
Gastric hemorrhage (cause not stated)	3	6	9	...	1	....	...	....	....
Gastric ulcer	6	6	12	....	....	....	....	....	....
Gastritis	15	27	42	3	3	...	2	....	....
Gastro-enteritis	40	29	69	25	19	3	2	1	....
Hernia, strangulated	9	7	16	1	....	....	1	....	....
Intestines, obstruction of	16	17	33	1	1	....	....	....	....
Intestines, intussusception of	6	5	11	1	2	...	....	....	...
Volvulus	.....	2	2	..	1	....	....	....	...
Liver, abscess of	8	5	13	...	....	....	...	....	....
Liver, cirrhosis of	96	28	124	....	....	....	1	....	....
Liver, inflammation of	15	6	21	....	...	....	....	....	....
Liver, congestion of	.....	1	1	..	....	....	....	....	....
Liver, acute yellow atrophy of	1	.....	1	....	....	....	....	....	....
Esophagus, stricture of	3	.....	3	....	....	....	....	....	....
Pancreas, abscess of	.....	1	1	....	....	...	....	....	....
Gangrenous stomatitis	1	1	2	....	....	....	....	1	1
Peritonitis	17	17	34	1	2	....	...	....	....
Typhlitis	.....	1	1	....	....	....	1	....	....
ABSORBENT AND GLANDULAR SYSTEM	3	5	8						
Lymphadenoma	1	.....	1	....	....	....	....	....	..

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ARRANGED ACCORDING TO AGES.

AGES.																																			
3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
ABSORBENT AND GLANDULAR SYSTEM —Continued.									
Myxedema	.....	1	1	...	....	....	....	...	....
Tonsilitis	1	4	5	....	1	....	....	....	....
Tonsilitis, suppurative	1	.....	1	...	....	...	....	....	....
URINARY SYSTEM	234	127	361						
Calculus, renal	2	.....	2	....	....	....	...	....	....
Calculus, vesical	2	1	3	....	...	....	....	....	....
Cystitis, acute	3	2	5	....	....	....	....	....	...
Cystitis, chronic	8	2	10	....	....	....	....	....	....
Nephritis, acute	39	26	65	6	4	....	....	....	....
Nephritis, chronic	145	79	224	1	....	1	..	1	1
Kidney, abscess of	3	1	4	....	....	....	....	....	....
Kidney, cystic disease of	1	.....	1	....	....	....		....	....
Anuria (post-operative)	1	.....	1	....	....	....	...	...	....
Prostate gland, abscess of	1	.....	1	....	...	....	....	...	....
Pyelitis	13	4	17	....	..	....	....	....	...
Uremia (cause not stated)	16	12	28	....	....	....	....	....	....
REPRODUCTIVE SYSTEM	.....	42	42						
Abortion, miscarriage	.....	5	5	...	....	..	....	...	....
Dystocia	... .	3	3	...	.	....	....	....	....
Pelvic abscess	... ..	5	5	....	...	....	....	...	....
Pelvic peritonitis	.....	2	2	...	....	...	.	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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...	...	...	...	...	1	...	2	5	2	11	9	41	14	30	16	37	14	14	18	4	2	...	...	...	...	...	...
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Males	Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
REPRODUCTIVE SYSTEM—Continued.									
Placenta previa	.....	5	5	....	....	....	....	..	....
Puerperal eclampsia	....	4	4	....	....	....	...	....	...
Puerperal hemorrhage	.....	6	6	....	....	....	....	....	....
Pelvic hematoma	.....	1	1	...	....	....	....	....	....
Puerperal insanity	.....	1	1	....	....	....	....	....	....
Puerperal emesis	.....	2	2	....	....	....	.	....	....
Phlegmasia alba dolens	.....	1	1	....	....	....	...	....	....
Pyosalpinx	.....	6	6	....	....	....	..	....	....
Salpingitis	.....	1	1	....	....	....	....	....	....
OSSEOUS AND INTEGUMENTARY SYSTEM	16	8	24						
Abscess multiple	.....	1	1	...	....	....	....	....	....
Abscess, lumbar	1	.....	1	....	...	....	....	....	....
Abscess, mastoid	2	1	3	1	....	....	....	....	....
Abscess of abdomen	3	1	4	....	....	....	....	....	....
Abscess of leg	1	1	2	....	....	....	....	....	....
Abscess of mediastinum	1	.....	1	....	..	...	..	....	....
Cyst, sublingual dermoid	1	.... .	1	1	....	...	....	....	....
Carbuncle of neck	2	.....	2	....	...	....	....	...	....
Eczema	.....	1	1	....	1	....	. ..	....	....
Gangrene of leg	1	1	2	....	....	....	....	....	....
Gangrene of umbilical cord	1	.....	1	1	....	....	....	....	....
Mastoiditis	1	.....	1	....	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
									1		3		1														
									3		1																
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TABLE No. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Males	Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
OSSEOUS AND INTEGUMENTARY SYSTEM—Continued.									
Necrosis of sternum and ribs	1	.....	1	....	....	....	....	....	....
Pemphigus	.....	2	2	....	....	....	....	....	....
Phlegmon of leg	1	.....	1	....	....	....	....	....	....
VIOLENT DEATHS	**336**	**105**	**441**						
MISADVENTURE AND NEGLIGENCE	183	74	257						
Anesthesia	1	1	2	....	....	....	....	....	....
Shock following amputation	2	3	5	....	....	....	....	....	....
Shock following celiotomy	7	8	15	1	....	....	....	....	....
Shock following intrapelviotomy	.....	13	13	....	....	....	....	....	....
Shock following Caesarean section	.....	1	1	....	....	....	....	....	....
Asphyxiation, foreign body in trachea	4	1	5	2	....	1	1	....	....
Asphyxiation by illuminating gas	12	13	25	....	....	....	....	....	....
Asphyxiation, smothered in bed	1	1	2	1	1	....	....	....	....
Burns and scalds	5	9	14	....	....	1	....	....	....
Burns (sat on hot stove)	1	.....	1	....	....	....	....	....	....
Crushed by falling gate	1	.....	1	....	....	....	....	....	....
Crushed, collision on bay	1	.....	1	....	....	....	....	....	....
Caving-in of excavation	2	.....	2	....	....	....	....	....	....
Crushed by freight	2	.....	2	....	....	....	....	....	....
Drowning	36	....	36	....	....	1	....	....	....
Explosion	3	.....	3	....	....	....	....	....	....

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.																															
3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 79 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year.		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
MISADVENTURE AND NEGLIGENCE -Continued.									
Exposure		1	1						
Fall from building	9	1	10						1
Fall from ladder	1		1						
Fall from electric light pole	1		1						
Fall down stairs	5		5						
Falls	12	7	19						
Fall on coal chute	1		1						
Fall from cable car	1		1						
Fall from bicycle	1		1						
Fall from vehicles	5		5						
Fall down embankment	2		2						
Fall from rigging of ship	1		1						
Fall into hold of ship	6		6						
Fall down elevator shaft	1		1						
Firearms	4	3	7						
Criminal abortion		3	3						
Killed by electricity	2		2						
Killed by machinery	6		6						
Killed by elevators	3		3						
Killed by falling iron	1		1						
Killed by falling plank	1		1						
Killed by railroads	6	1	7						

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.																																			
3 to 4 years...		4 to 5 years...		5 to 10 years...		10 to 20 years...		20 to 30 years...		30 to 40 years...		40 to 50 years...		50 to 60 years...		60 to 70 years...		70 to 80 years...		80 to 90 years...		90 to 100 years...		Over 100 years...		Unascertained...	
Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female
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TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
MISADVENTURE AND NEGLIGENCE--Continued.									
Killed by street cars (electric)	8	3	11	....	....	....	....	2	....
Killed by street cars (cable)	2	.....	2	....	....	....	....	....	....
Run over by vehicles	8	3	11	...	....	....	....	....	....
Kicked by cow	1	.....	1	....	...	....	....	....	....
Kicked by horse	2	.....	2	....	....	....	....	....	....
Thrown from horse	2	.....	2	...	....	....	....	....	....
Lead poisoning	4	.....	4	....	....	....	...	....	....
Ptomaine poisoning	2	1	3	1	....	....	....	....	...
Poisons, carbolic acid	2	1	3	....	....	....	....	....	....
Poisons, morphine	3	.....	3	....	....	....	....	...	....
Poisons, wine of colchicum	1	.....	1	....	....	....	....	....	....
Decomposed and disorganized remains	1	.....	1	....	....	....	....	....	....
HOMICIDE	26	2	28						
By blows	4	1	5	...	....	....	...	....	....
By cutting instrument	5	.....	5	...	....	....	....	...	....
By firearms	16	1	17	....	....	....	....	...	....
Infanticide	1	.....	1	1	....	....	....	....	....
SUICIDE	127	29	156						
By cutting instrument	4	1	5	....	....	....	....	....	....
By charcoal fumes	1	.....	1	....	....	....	....	....	...
By drowning	7	1	8	....	....	....	....	....	...

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.																																			
Unascertained		Over 100 years		90 to 100 years		80 to 90 years		70 to 80 years		60 to 70 years		50 to 60 years		40 to 50 years		30 to 40 years		20 to 30 years		10 to 20 years		5 to 10 years		4 to 5 years		3 to 4 years		2 to 3 years		1 to 2 years		Under 1 year		Total	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	...	...	...	...	...	...	...	1	...	2	...	2	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
...	1	1	...	2	1	...	...	1	...	2	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	..	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	1	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	1	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	2	...	1	...	1	...	1	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	1	4	...	5	..	4	...	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	1	1	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
...	...	...	...	...	...	...	...	1	1	2	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	..

TABLE NO. II

CLASSIFIED REPORT OF DEATHS

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	Under 1 year		1 to 2 years		2 to 3 years	
				Male	Female	Male	Female	Male	Female
SUICIDE—Continued.									
By firearms	41	3	44	....	....	....	..	....	....
By hanging	6	2	8	....	....	....	....	....	....
By illuminating gas	20	3	23	....	....	....	....	...	....
By jumping from building	3	1	4	....	....	....	....	....	...
By amylic alcohol	1	.....	1	....	....	....	....	....	....
By carbolic acid	15	15	30	...	....	....	....	....	....
By cebadilla	1	.....	1	....	...	....	....	...	....
By cyanide of potassium	7	.....	7	....	....	....	....	...	....
By hydrocyanic acid	2	.....	2		...	....	....	....	....
By opium; morphine	13	1	14	....	....	..	...	....	....
By strychnine	6	2	8	....	....	....	....	....	...
TOTALS	**3938**	**2606**	**6544**	515	410	91	86	43	45

—CONTINUED.

ARRANGED ACCORDING TO AGES.

AGES.

3 to 4 years		4 to 5 years		5 to 10 years		10 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 to 70 years		70 to 80 years		80 to 90 years		90 to 100 years		Over 100 years		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
...	...	...	...	...	...	...	...	8	3	10	...	7	...	7	...	4	...	5	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	1	...	1	2	...	2	...	...	...	...	...	...	...	...	...	1	...
...	...	...	...	...	...	...	...	3	...	7	...	5	2	1	1	4	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	1	4	12	7	2	2	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	2	...	6	1	1	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	1	2	1	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	39	42	29	86	101	100	94	373	308	504	291	609	249	537	288	560	309	322	258	93	96	10	14	1	1	9	...

TABLE

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
GENERAL DISEASES	**1558**	**1129**	**2687**						
SPECIFIC FEBRILE	156	145	301						
Cerebro-spinal meningitis	18	12	30	18	12	....	....	....	....
Diphtheria	76	78	154	70	74	6	4	....	....
Influenza (La Grippe)	5	10	15	5	10	....	...	....	...
Malarial fevers	5	5	10	5	5	....	..	....	....
Measles	1	.....	1	1	....	....	....	....	....
Pertussis (whooping-cough)	11	14	25	11	14	....	..	....	....
Scarlet fever	3	6	9	3	6	....	....	....	....
Typhoid fever	37	20	57	34	20	3	....	....	....
DIARRHEAL	44	24	68						
Cholera infantum	32	15	47	32	15	....	....	....	....
Cholera morbus	2	2	4	2	2	....	...	....	...
Diarrhea	1	2	3	1	2	....	...	....	....
Diarrhea, infantile	4	3	7	4	3	....	....	....	....
Dysentery	5	2	7	4	2	1	....	...	....
VENEREAL	24	9	33						
Syphilis, acquired	9	....	9	7	....	2	....	....	....
Syphilis, congenital	15	9	24	15	9	....	....	....	....
SEPTIC	39	56	95						
Erysipelas	5	2	7	5	2	...	....	....	....
Puerperal septicemia	.....	23	23	....	21	....	2	....	...

NO. III.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION									
Pacific Coast...		Other States...		Foreign ...		Unascertained...		Single.....		Married ...		Widowed..		Divorced ..		Unascertained...	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
15	10	3	....	.....	2	....	....	18	10	2	.....	....	....	....	....	....	...
73	74	3	4	....	.....	....	....	75	77	1	1	....	....	....	....	....	...
1	2	1	2	2	6	1	....	2	3	3	2	....	5	....	..	...	...
4	3	1	1	.....	1	....	....	3	3	2	2	...	....	....	...	....	...
.....	.....	1	....	.....	.....	....	....	1	....	.....	.....	...	....	....	....	....	...
11	14	...	....	....	.....	...	...	11	14	....	.....	...	....	....	....	...	..
2	5	1	....	.....	1	....	....	2	6	1	.....	....	....	.	....	....	...
14	11	8	5	15	4	....	....	25	8	11	10	1	2	....	...	...	...
32	15	....	....	.....	.....	....	....	32	15	.....	.....	....	....	....	....	....	...
1	2	...	....	1	.....	....	....	1	2	1	.....	....	....	....	..	....	...
.....	.....	1	....	.....	2	....	....	.....	.....	1	1	....	1	...	....	....	...
4	3	....	....	.....	.....	....	....	4	3	.....	.....	....	....	....	....	....	...
1	.....	1	....	3	2	....	....	3	.....	2	1	....	....	....	....	....	1
1	....	....	....	8	.....	...	....	3	.....	4	.....	1	....	....	....	1	...
15	9	....	...	.....	.....	....	....	15	9	.. ..	.....	...	....	....	....	...	...
.....	1	1	...	4	1	....	....	.....	1	4	1	1	....	....	....	....	...
.....	9	....	6	.....	8	....	....	.....	1	.....	22	....	....	...	....	....	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
SEPTIC—Continued.									
Pyemia	7	8	15	6	8	1	...	....	...
Septicemia (cause not stated)	17	10	27	17	10	..	..	..	....
Septicemia following laryngectomy	1	.....	1	1	....	.	....	....	....
Septicemia following celiotomy	1	2	3	1	2	...	....	....	....
Septicemia following intrapelviotomy	3	7	10	3	7	....	....	....	..
Septicemia following repair of cervix	.....	1	1	..	1	....	....	...	. ..
Septicemia following Caesarean section	.....	1	1	....	1	...	....	....	....
Septicemia following carbuncle of face	.....	1	1	....	1	...	....	....	....
Septic endocarditis	2	.....	2	2	....	...	....	...	....
Septic pericarditis	2	.....	2	2	....	.. .	....	....	....
Tetanus	1	1	2	1	1	...	....	. ..	..
PARASITIC	1	1	2						
Intestinal worms	1	.....	1	1	....	....	....	....	...
Thrush	.....	1	1	....	1	....	....	..	....
DIETETIC	122	111	233						
Malnutrition	4	4	8	4	4	....	....	....	...
Inanition	118	107	225	109	101	9	6	....	....
CONSTITUTIONAL	970	641	1611						
Arthritis deformans	1	3	4	1	3	....	....	....	....
Anemia, chlorosis	11	10	21	10	10	1	....	....	....
Carcinoma of breast	.....	24	24	...	24	....	....	...	...
Carcinoma of liver	29	25	54	24	25	5	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast		Other States		Foreign		Unascertained		Single		Married		Widowed		Divorced		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	2	2	3	4	3	....	....	2	3	4	5	1	....	....	....	....	...
4	3	5	2	8	5	....	....	9	3	6	5	1	2	....	....	1	...
.....	.....	....	....	1	.....	...	....	1	.....	.....	.....	....	....	....	....	....	...
....	1	....	....	1	1	...	....	.....	2	1	.....	....	....	....	...	....	...
1	2	....	3	2	2	....	....	1	1	1	6	1	....	....	.	....	...
.....	1	....	....	.....	.....	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	.....	....	....	.....	1	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	.....	....	....	.....	1	....	...	.....	1	.....	.....	....	....	....	....	....	...
1	.....	....	....	1	....	...	...	2	.....	.....	.....	....	....	....	...	....	...
1	.....	....	....	1	.....	....	....	2	.....	.....	.....	....	....	....	....	....	...
.....	.....	....	....	1	1	....	....	1	.....	.....	1	....	....	....	...	....	...
1	.....	....	...	.....	.....	....	....	1	.....	.....	...	...	....	....	....	....	...
.....	1	....	....	.....	.....	....	....	.....	1	.....	.....	....	....	....	....	....	...
4	3	....	1	.....	.....	....	....	4	4	.....	...	....	....	....	....	....	...
112	101	3	3	3	3	....	....	113	101	2	2	3	4	....	....	....	...
.....	1	...	....	1	2	....	....	.....	.....	.....	2	1	1	....	....	....	...
2	3	4	4	5	3	....	....	5	4	3	4	2	2	....	....	1	...
.....	3	....	5	.....	16	....	....	.....	5	.....	9	....	10	...	....	...	...
.....	1	6	8	23	16	....	....	8	.....	16	10	5	14	...	....	....	1

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Femal
CONSTITUTIONAL—Continued.									
Carcinoma of rectum	7	5	12	7	5	....	....	....	...
Carcinoma of stomach	48	30	78	44	30	4	....	....	....
Carcinoma of uterus	.....	61	61	....	59	...	2	...	....
Carcinoma of ovaries	.....	1	1	....	1	....	....	....	...
Carcinoma (not specified)	19	8	27	1	7	17	1	1	....
Carcinoma, disseminata	.....	1	1	....	1	....	....	....	....
Carcinoma of arm	1	1	2	1	1	....	....	....	....
Carcinoma of axilla	1	.....	1	1	....	...	....	....	....
Carcinoma of bile ducts	2	....	2	2	....	...	....	....	....
Carcinoma of bladder	4	1	5	4	1	...	....	....	....
Carcinoma of colon	3	2	5	3	2	....	....	....	...
Carcinoma of esophagus	7	.....	7	7	....	....	..	....	....
Carcinoma of face	9	2	11	9	2	....	....	....	....
Carcinoma of intestines	1	4	5	1	4	. .	....	....	....
Carcinoma of kidney	1	1	2	1	1	....	....	....	....
Carcinoma of maxilla	2	.....	2	2	...	....	....	...	....
Carcinoma of mediastinum	.....	1	1	....	1	....	....	....	....
Carcinoma of neck	7	.....	7	7	....	....	....	....	....
Carcinoma of nose	1	.....	1	1	....	....	....	....	....
Carcinoma of omentum	7	2	9	7	2	..	....	....	....
Carcinoma of pancreas	.....	2	2	....	2	....	....	....	....
Carcinoma of parotid gland	1	.....	1	1	....	....	....	...	....
Carcinoma of peritoneum	1	2	3	1	2	....	....	...	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast		Other States		Foreign		Unascertained		Single		Married		Widowed		Divorced		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
3	1	1	1	3	3	....	....	2	.....	2	3	3	2	....	....	....	...
.....	1	4	11	44	18	...	....	15	1	23	14	7	15	....	....	3	...
.....	3	...	20	.....	37	...	1	.....	2	.....	38	....	20	....	....	....	...
.....	.....	....	....	.....	1	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	.....	....	4	19	4	....	...	17	.....	2	4	....	4	....	....	....	...
.....	.....	....	1	.....	.....	....	....	.....	.....	.....	.....	....	1	....	....	....	...
.....	.....	...	1	1	.....	...	....	.....	.....	.....	.....	1	1	..	....	....	...
.....	.....	1	...	.....	.....	...	....	.....	.....	.....	.....	1	....	....	....	....	...
.....	.....	....	....	2	.....	....	....	.....	.....	1	.....	1	....	...	....	....	...
.....	1	....	....	4	.....	...	....	2	.....	2	1	....	....	...	....	....	...
.....	.....	1	1	2	1	....	....	3	.....	.....	2	....	....	....	....	....	...
.....	.....	1	..	6	.....	...	....	5	.....	2	.....	..	....	....	...	...	...
1	.....	4	1	3	1	1	....	3	.....	6	1	....	1	....	....	....	...
.....	1	....	1	1	2	..	....	.....	1	....	2	1	1	....	....	....	..
.....	.....	....	....	1	1	....	....	.....	.....	1	1	....	....	....	....	....	...
.....	.....	1	...	1	.....	...	....	.....	.....	1	.....	..	....	....	....	1	...
.....	1	....	....	.....	.....	....	....	.....	1	.....	.....	....	....	....	...	..	..
.....	.....	2	...	5	.....	....	...	3	.....	3	.....	1	....	....	....	....	...
.....	.....	....	....	1	.....	....	....	1	.....	.....	.....	....	....	....	...	....	...
1	.....	4	1	2	1	....	....	2	.....	5	2	....	...	....	...	....	...
.....	.....	....	1	.....	1	....	...	.....	.....	.....	1	....	1	...	....	...	...
.....	.....	...	...	1	.....	....	...	1	.....	.....	.....	...	....	....	....	....	...
.....	.....	....	1	1	1	....	....	.....	1	1	1	...	...	...	....	....	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Female
CONSTITUTIONAL—Continued.									
Carcinoma of pharynx	4	2	6	4	2	...	...	...	...
Carcinoma of prostate gland	2	...	2	2	...	...	...	...	...
Carcinoma of spleen	...	2	2	...	2	...	...	...	...
Carcinoma of tongue	7	...	7	7	...	...	...	...	...
Diabetes	30	25	55	30	25	...	...	...	...
Gout	1	...	1	1	...	...	...	...	...
Hemophilia	2	4	6	2	4	...	...	...	...
Leucocythemia	5	1	6	5	1	...	...	...	...
Leprosy	2	...	2	1	...	1	...	...	...
Rheumatism	4	14	18	4	14	...	...	...	...
Rickets	...	1	1	...	1	...	...	...	...
Sarcoma (not specified)	1	2	3	1	1	...	1	...	...
Sarcoma of abdomen	...	4	4	...	4	...	...	...	...
Sarcoma of colon	1	...	1	1	...	...	...	...	...
Sarcoma, disseminata	4	1	5	4	1	...	...	...	...
Sarcoma of groin	1	...	1	1	...	...	...	...	...
Sarcoma of ileum	1	...	1	1	...	...	...	...	...
Sarcoma of intestines	1	...	1	1	...	...	...	...	...
Sarcoma of kidney	1	...	1	1	...	...	...	...	...
Sarcoma of larynx	1	...	1	1	...	...	...	...	...
Sarcoma of liver	1	...	1	1	...	...	...	...	...
Sarcoma of lung	1	...	1	1	...	...	...	...	...
Sarcoma of mediastinum	...	1	1	...	1	...	...	...	...

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single...		Married...		Widowed...		Divorced...		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
1		1		1	2	1		2	1	2			1				
				2						2							
					2						1		1				
1		2		4				1		5		1					
4	4	4	5	22	16			8	5	19	13	2	7			1	
				1				1									
2	4							2	4								
1		3	1	1				2		2	1	1					
				2				1		1							
1	2		3	3	9			1	3	3	7		3				1
	1								1								
		1			2				1	1	1						
	1				3				1		3						
				1						1							
1				3	1			3		1	1						
				1												1	
		1														1	
				1				1									
				1						1							
				1						1							
				1						1							
				1						1							
					1						1						

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.									
Sarcoma, melanotic	1	.....	1	1	....	....	....	....	....
Sarcoma of maxilla	.....	1	1	....	1	....	....	....	...
Sarcoma of neck	4	.....	4	4		....	....	....	....
Sarcoma of omentum	.....	1	1	.	1	....	....	....	....
Sarcoma of uterus	....	4	4	....	4	....	....	....	....
Tuberculosis, articular	7	3	10	6	3	1	....	....	....
Tuberculosis, cerebral, meningeal	28	25	53	28	25	....	....	....	....
Tuberculosis, glandular	2	3	5	1	3	1	..	...	....
Tuberculosis, general	7	9	16	6	8	1	....	....	1
Tuberculosis, miliary	8	1	9	7	1	1	....	....	....
Tuberculosis, peritoneal	13	8	21	11	8	2	....	....	....
Tuberculosis, pulmonary	654	340	994	508	322	137	16	9	2
Tuberculosis, laryngeal	3	1	4	3	1	....	....	....	...
Tuberculosis, intestinal	5	2	7	5	2	....	....	....	....
Tuberculosis, spinal	5	....	5	5	....	....	....	....	....
DEVELOPMENTAL	202	142	344						
Atelectasis, congenital	15	9	24	15	9	....	....	...	....
Cardiac malformation (cyanosis)	8	8	16	8	8	....	....	....	....
Icterus neonatorum	9	1	10	9	1	....	....	....	....
Marasmus, infantile	28	24	52	22	23	6	1	....	....
Marasmus, senile	15	8	23	14	8	1	....	....	....
Dystocia	2	1	3	2	1	....	....	....	....
Senility	121	89	210	100	86	20	1	1	2

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single.....		Married...		Widowed...		Divorced...		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
.....	.....	....	....	1	.....	....	....	1	.....	.....	.....	....	....	....	....	....	..
.....	...	....	....	.....	1	....	....	.....	.....	.....	1	..	....	....	....	....	..
.....	.....	...	...	4	.....	....	..	2	.....	2	.....	....	....	....	....	....	..
.....	.....	....	....	.....	1	....	....	.....	.....	.....	1	....	....	....	....	....	..
.....	1	....	1	.....	2	....	....	.....	1	.....	3	....	....	....	....	....	..
4	3	1	....	2	.....	....	....	6	3	1	.....	....	....	....	....	....	..
23	23	2	1	3	.....	....	1	27	24	1	1	....	....	....	....	....	..
1	1	....	....	1	2	....	....	1	1	1	2	....	....	....	....	....	..
2	4	2	3	3	2	....	....	7	4	.....	3	....	2	....	....	....	..
1	.....	...	....	7	1	....	....	5	1	2	.....	1	....	....	....	...	..
8	5	1	...	4	3	....	....	10	5	2	1	1	2	....	....	....	..
160	152	102	59	387	129	5	....	426	123	158	173	47	43	3	....	20	1
.....	.....	1	....	2	1	....	....	1	1	2	.....	..	....	....	....	....	..
3	2	1	....	1	.....	....	....	4	2	1	.....	....	...	....	....	....	..
2	.....	1	....	2	.....	....	...	2	.....	3	.....	....	....	....	....	....	..
15	9	....	....	.....	.....	....	....	15	9	.....	.....	...	....	....	....	....	..
8	8	....	....	.....	.....	....	....	8	8	.....	.....	....	....	....	....	....	..
9	1	....	....	.....	.....	..	....	9	1	.....	.....	....	....	....	...	....	..
28	24	....	....	.....	.....	....	...	28	24	.....	..	...	....	....	....	....	..
.....	.....	3	1	12	7	....	....	3	2	4	.....	8	6	....	....	....	..
2	1	...	....	.....	.....	...	....	2	1	.....	.....	....	...	...	....	....	..
1	1	21	22	97	66	2	....	34	9	43	19	36	58	....	....	8	..

TABLE No. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Males	Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
DEVELOPMENTAL—Continued.									
Spina bifida	1	2	3	1	2	....	....		....
Asphyxia neonatorum	2	.....	2	2	...	....	....	....	....
Strangulation of umbilical cord	1	.....	1	1	....	..	....	....	....
LOCAL DISEASES	**2044**	**1372**	**3416**						
NERVOUS SYSTEM	425	287	712						
Alcoholism	25	11	36	25	11	..	....	....	....
Apoplexy, cerebral	167	116	283	161	116	4	....	2	....
Brain, abscess of	4	3	7	4	3	....	...	....	...
Brain, congestion of	4	7	11	4	7	....	....	....	....
Brain, softening of	28	13	41	27	13	1	...	....	....
Brain, tumor of	9	3	12	9	3	....	....	...	....
Brain, edema of	.....	1	1	...	1	....	....	..	....
Brain, sclerosis of	1	1	2	1	1	....	....	....	....
Chorea	1	2	3	1	2	....	....	....	....
Convulsions, infantile	40	40	80	39	38	1	1	....	1
Acromegalia	.....	1	1	....	1	....	....	....	..
Eclampsia (not puerperal)	.....	3	3	....	3	....	....	...	....
Encephalitis, Cerebritis	13	6	19	12	6	1	....	...	....
Epilepsy	5	6	11	5	6	....	....	....	....
Hydrocephalus	2	5	7	2	5	....	....	....	....
Insanity	1	1	2	1	1	....	...	....	....
Laryngismus stridulus	1	.....	1	1	....	....	..	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single.....		Married...		Widowed..		Divorced..		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
1	2	....	....	.....	.....	....	....	1	2	.....	.....	....	....	....	....	....	....
2	.....	....	....	.....	.....	....	....	2	.....	.....	.....	....	....	....	....	....	....
1	.....	....	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	....	....
4	.....	4	5	16	5	1	1	14	2	7	7	3	1	....	....	1	1
10	4	53	39	100	73	4	....	37	6	99	61	27	48	....	....	4	1
.....	1	2	....	2	2	....	....	1	1	3	2	....	....	....	....	....	....
1	3	1	1	2	3	....	....	1	4	2	2	....	....	....	....	1	1
1	.....	6	6	21	7	....	....	10	.....	13	4	4	9	....	....	1	....
1	.....	....	1	8	2	....	....	7	.....	2	2	....	1	....	....	....	....
.....	.....	....	1	.....	.....	....	....	.....	.....	.....	1	....	....	....	....	....	....
.....	.....	....	1	1	.....	....	....	.....	.....	1	.....	....	1	....	....	....	....
.....	1	....	....	1	1	....	..	1	1	.....	.....	....	1	....	....	....	....
39	40	....	....	1	.....	....	....	40	40	.....	.....	....	....	....	....	....	....
.....	.....	....	1	.....	.....	....	....	....	....	.....	1	....	....	....	....	..	....
.....	.....	....	3	.....	.....	....	....	.....	.....	.....	2	....	1	....	....	..	....
8	4	...	1	4	1	1	....	12	3	1	2	....	1	....	....	....	..
2	4	2	1	1	1	....	....	3	4	2	1	....	....	....	....	....	1
2	5	....	....	.....	.....	....	....	2	5	.....	.....	....	....	....	....	....	....
1	1	....	....	.....	.....	....	....	.....	1	1	.....	....	....	....	....	....	....
1	.....	....	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	....	....

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Female
NERVOUS DISEASES—Continued.									
Locomotor ataxia	6	.....	6	6	....	....	....	....	....
Meningitis, cerebral	63	46	109	63	45	....	....	....	1
Meningitis, spinal	4	1	5	4	1	...	...	....	....
Morphinism	12	2	14	12	2	....	....	...	....
Myelitis	12	3	15	10	3	1	...	1	....
Neuritis (not specified)	2	1	3	2	1	....	....	...	....
Paralysis, ascending	.....	1	1	....	1	....	....	....	....
Paralysis, traumatic	1	.....	1	1	...	....	....	....	....
Paralysis, bulbar	3	1	4	3	1	...	....	...	....
Paralysis, agitans	5	2	7	5	2	....	....	...	....
Paralysis, general, paresis	15	9	24	15	9	....	....	....	..
Progressive muscular atrophy	.....	1	1	....	1	....	....	....	....
Sclerosis of spinal cord	1	1	2	1	1	....	....	....	....
CIRCULATORY SYSTEM	481	246	727						
Aneurism of aorta	19	5	24	18	5	....	....	1	....
Angina pectoris	19	14	33	18	14	1	....	...	....
Arterio-sclerosis, endarteritis	15	5	20	15	5	....	....	...	....
Embolism, Thrombosis	8	9	17	7	9	1	...	...	....
Endocarditis	47	28	75	24	23	23	5	....	..
Heart, fatty	47	38	85	47	38	....	....	....	..
Heart, valvular disease of	307	129	436	291	127	11	2	5	....
Hydropericardium	2	1	3	2	1	....	....	...	....
Myocarditis	8	6	14	8	5	....	..	....	1

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast....		Other States...		Foreign...		Unascertained...		Single....		Married...		Widowed..		Divorced..		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
1	.....	2	....	3	.....	....	....	2	.....	4	.....	....	....	....	....	....	...
51	35	5	2	7	9	...	....	59	37	4	6	....	3	....	....	....	...
2	...	1	...	1	1	....	....	4	.....	.....	.....	...	1	...	....	....	...
4	.....	4	....	2	1	2	1	3	1	4	.....	1	1	...	....	4	...
2	1	4	1	6	1	....	...	6	1	3	1	2	....	..	...	1	1
.....	1	1	....	1	.....	....	....	1	1	1	.....	....	....	....	....	....	...
.....	.....	....	....	.....	1	....	....	.....	.....	.....	.....	....	1	....	....	....	...
.....	.....	....	....	1	.....	....	....	.....	.....	1	.....	....	....	....		....	...
.....	.....	....	....	3	1	....	....	1	.....	.....	1	1	....	....	....	1	...
.....	.....	2	....	3	2	....	....	.....	.....	4	1	1	1	....	....	....	...
.....	1	5	6	10	2	....	....	8	1	7	5	....	3	..	....	...	...
.....	.....	....	1	.....	.....	....	....	.....	.....	.....	1	....	....	....	...	....	...
1	1	....	....	.....	.....	....	....	.....	1	1	.....	....	....	....	....	....	...
.....	1	6	3	13	1	....	....	7	.....	9	3	3	2	....	....	...	...
2	4	4	4	13	6	..	....	6	3	11	7	1	4	....	....	1	...
1	.....	5	1	9	4	....	....	5	.....	7	2	2	3	1	....	....	...
1	3	2	1	5	5	....	....	1	.....	4	6	1	3	....	....	2	...
8	9	4	4	34	15	1	....	30	5	14	21	1	2	....	..	2	...
.....	4	11	11	35	23	1	....	13	6	22	16	9	15	....	....	3	1
28	21	61	21	209	86	9	1	100	27	125	53	52	47	2	....	19	2
1	....	....	....	1	1	....	...	1	.....	1	.....	....	1	....	....	..	...
.....	.....	2	2	6	4	....	...	1	.....	6	3	1	3	....	....	....	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Female
CIRCULATORY SYSTEM—Continued.									
Pericarditis	5	5	10	5	5	....	....	....	....
Senile heart	1	.....	1	1	....	....	....	....	....
Senile gangrene	3	5	8	3	4	....	....	....	1
Phlebitis	.....	1	1	....	1	....	....	....	....
RESPIRATORY SYSTEM	554	426	980						
Asthma	21	14	35	21	14	....	....	....	....
Bronchitis	86	93	179	78	92	8	1	....	....
Broncho-pneumonia	65	72	137	54	67	11	4	....	1
Croup, catarrhal	5	.....	5	5	....	....	....	....	....
Hydrothorax	1	.....	1	1	....	....	....	....	....
Laryngitis	9	4	13	9	4	....		....	....
Pharyngitis, phlegmonous	1	.....	1	1	....	....	....	....	....
Pseudo-diphtheria	1	3	4	1	3	....	....	....	....
Pleurisy	6	3	9	5	3	1	....	....	....
Purulent pleurisy	15	5	20	15	5	....	....	....	....
Pneumonia	301	217	518	289	213	8	1	4	3
Pulmonary congestion	31	12	43	29	12	2	....	....	....
Fibroid phthisis	3	3	6	3	3	....	....	....	....
Lung, abscess of	5	.....	5	5	....	....	....	....	....
Lung, gangrene of	4	.....	4	4	....	....	....	....	....
DIGESTIVE SYSTEM	331	231	562						
Appendicitis	2	6	28	22	6	....	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast		Other States		Foreign		Unascertained		Single		Married		Widowed		Divorced		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	1	2	3	1	1	....	....	2	1	1	2	2	2	....	...	....	...
.....	.....	1	...	.....	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...
.....	.....	....	1	3	4	....	....	.....	1	2	2	1	2	....	....	....	...
.....	.....	...	...	.....	1	....	....	....	.....	.....	.....	...	1	...	....	....	...
2	.....	2	4	17	10	....	...	8	2	9	7	2	4	1	....	1	1
37	40	13	8	36	42	....	3	49	45	23	22	11	21	...	1	3	4
38	42	6	9	22	21	1	....	49	47	10	13	6	12	....	...	....	...
5	.....	...	....	.....	.....	....	....	5	.....	.....	.....	...	....	..	....	....	...
.....	.....	...	...	1	.....	....	....	.....	.....	1	.....	....	...	....	....	....	...
6	3	1	....	2	1	....	....	7	4	2	.....	...	....	...	....	....	..
1	.....	....	....	.....	.....	..	....	1	.....	.....	.....	....	.. .	....	....	....	...
1	2	...	...	.....	1	....	....	1	3	.....	.....	....	....	..	....	....	...
2	1	1	1	3	1	....	....	4	.....	.....	2	1	1	....	....	1	...
5	2	..	1	10	2	....	....	7	1	6	3	2	1	....	....	...	...
105	81	65	35	127	101	4	....	155	88	107	76	31	50	1	1	7	2
10	7	4	2	17	3	....	....	13	6	14	4	4	2	...	....	...	...
.....	1	1		2	2	....	....	1	.....	2	1	....	2	....	....	....	...
1	.....	1	....	3	.....	....	....	2	...	2	.....	1	....	....	....	....	...
1	.....	1	....	2	.....	..	....	2	.....	1	.....	1	...	....	..	...	...
10	5	6	1	6	.....	....	....	16	6	5	.....	....	....	....	....	1	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Males	Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
DIGESTIVE SYSTEM—Continued.									
Enteritis, entero-colitis	70	64	134	69	61	1	2	....	1
Gallstones	3	2	5	3	2	....	....	....	..
Gastric hemorrhage (cause not stated)	3	6	9	3	6	...	....	...	....
Gastric ulcer	6	6	12	6	5	....	1	....	....
Gastritis	15	27	42	15	27	...	....	...	...
Gastro-enteritis	40	29	69	34	25	6	3	....	1
Hernia, strangulated	9	7	16	9	7	....	....	....	....
Intestines, obstruction of	16	17	33	15	17	1	....	....	....
Intestines, intussusception of	6	5	11	5	5	1	....	....	....
Volvulus	.....	2	2	....	2	...	....	....	....
Liver, abscess of	8	5	13	8	5	..	....	....	....
Liver, cirrhosis of	96	28	124	56	28	38	....	2	....
Liver, inflammation of	15	6	21	10	6	5	..	....	....
Liver, congestion of	.....	1	1	....	..	....	...	....	1
Liver, acute yellow atrophy of	1	.....	1	1	....	....	....	....	....
Esophagus, stricture of	3	.....	3	3	...	....	....	....	....
Pancreas, abscess of	.....	1	1	....	1	...	....	....	....
Gangrenous stomatitis	1	1	2	1	1	....	....	....	....
Peritonitis	17	17	34	16	17	1	....	....	....
Typhlitis	.....	1	1	...	1	...	....	....	....
ABSORBENT AND GLANDULAR SYSTEM	3	5	8						
Lymphadenoma	1	.....	1	1	.. .	....	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast....		Other States...		Foreign .		Unascertained...		Single.....		Married ...		Widowed..		Divorced ..		Unascertained...	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male .	Female
63	51	1	3	6	10	...	...	68	51	.....	7	1	6	....	....	1	...
.....	1	1	1	2	.....	....	....	.....	.....	3	1	....	1	....	....	....	...
.....	2	2	1	1	3	....	....	1	2	2	3	...	1	....	...	...	...
.....	1	1	2	5	3	....	....	1	.....	4	5	1	1	....	....	....	...
5	7	2	5	7	15	1	....	7	9	6	11	1	7	....	...	1	...
35	24	1	3	4	2	....	....	38	25	1	3	1	1	....	....	....	...
2	3	1	1	5	3	1	....	3	2	4	1	1	4	....	....	1	...
6	4	1	5	9	8	....	....	8	3	7	6	1	7	....	....	....	1
3	2	....	3	3	.....	...	..	3	3	1	2	1	....	...	....	1	...
.....	1	....	....	.....	1	...	....	.....	1	.....	1	....	....	....	....	....	...
1	.....	2	1	5	4	....	....	3	.....	3	3	1	2	....	....	1	...
9	5	14	8	73	15	....	...	46	3	39	13	7	10	....	1	4	1
2	3	2	....	11	3	....	...	8	3	5	.....	1	3	....	....	1	...
.....	.....	....	1	.....	.. .	....	....	.....	.....	.....	1	....	..	...	....	...	...
.....	.....	1	....	.....	.....	....	...	.....	.....	.....	.....	1	....	....	....	....	...
.....	.....	...	....	3	.....	....	....	2	.....	1	.....	....	....	....	....	...	...
. ....	.....	....	....	.....	1	..	....	. ...	.....	.....	.....	....	1	.	....	....	..
1	1	..	....	.....	.....	...	....	1	1	.....	.....	....	....	....	....	....	...
7	8	2	5	8	4	....	....	7	7	10	5	....	4	....	....	....	1
.....	1	....	....	.....	.....	....	....	.....	1	.....	.....	....	....	....	....	....	...
.....	.....	...	....	1	.....	....	....	.....	.....	.....	.....	....	....	....	....	1	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
ABSORBENT AND GLANDULAR SYSTEM—Continued									
Myxedema	.....	1	1	....	1	....	....	....	....
Tonsilitis	1	4	5	1	4	....	....	....	....
Tonsilitis, suppurative	1	.....	1	1	....	....	....	....	...
URINARY SYSTEM	234	127	361						
Calculus, renal	2	.... .	2	2	....	...	....	....	....
Calculus, vesical	2	1	3	2	1	....	....	....	....
Cystitis, acute	3	2	5	2	2	1	....	....	....
Cystitis, chronic	8	2	10	8	2	....	....	....	....
Nephritis, acute	39	26	65	37	24	2	2	....	....
Nephritis, chronic	145	79	224	114	78	29	....	2	1
Kidney, abscess of	3	1	4	3	1	....	..	....	....
Kidney, cystic disease of	1	.....	1	1	....	....	...	....	....
Anuria (post-operative)	1	.....	1	1	...	....	....	....	....
Prostate gland, abscess of	1	.....	1	1	....	...	....	....	....
Pyelitis	13	4	17	12	4	1	....	. .	....
Uremia (cause not stated)	16	12	28	16	12	....	..	..	....
REPRODUCTIVE SYSTEM	.....	42	42						
Abortion, miscarriage	.....	5	5	....	5	....	....	....	....
Dystocia	... .	3	3	....	3	....	....	....	....
Pelvic abscess	... ..	5	5	..	5	....	....	...	....
Pelvic peritonitis	.....	2	2	...	2	....	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single...		Married...		Widowed...		Divorced...		Unascertained...	
Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female
....	....	....	1	.....	.....	.	....	.....	.....	.....	1	....	....	....	....	....	..
1	3	...	1	.....	....	....	....	1	4	.....	.....	....	....	....	....	....	..
.....	.....	1	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	...	..
.....	.....	1	....	1	.....	....	..	.....	.....	.....	.....	1	...	.. .	....	1	...
.....	1	1	...	1	.....	....	....	.....	.....	2	1	....	....	....	....	....	..
.....	.....	1	2	2	1	....	....	1	.....	1	1	1	1	....	....	....	..
.....	.....	3	1	4	1	1	....	2	.....	4	1	2	1	...	....	....	..
15	11	6	5	18	10	....	..	22	6	12	14	2	5	....	....	3	1
10	12	37	28	95	39	3	...	60	10	60	41	19	27	1	....	5	1
.....	.....	1	1	2	.....	....	....	1	1	2	.....	....	....	....	....	.. .	...
.....	.....	....	....	1	....	....	....	.....	.....	.....	.....	1	....	....	....	....	..
.....	.....	1	..	.....	.....	....	....	1	.....	....	.....	...	....	...	....	....	..
.....	.....	....	....	1	.....	....	.	.....	.....	1	.....	....	....	....	...	....	..
. ....	1	6	....	7	3	....	....	6	1	7	3	...	...	....	....	....	..
.....	1	3	4	13	7	..	....	5	1	8	2	2	8	....	1	1	...
.....	2	....	....	.....	3	...	....	.....	.....	.....	5	....	....	....	....	....	..
.....	1	....	1	.....	1	....	....	.....	1	.....	2	...	....	...	....	....	..
.....	1	....	3	.....	1	...	....	.....	1	.....	4	....	....	....	....	...	..
.....	2	...	....	.....	.....	....	..	.....	.....	.....	1	....	1	....	....	....	..

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Female
REPRODUCTIVE SYSTEM—Continued.									
Placenta previa		5	5		5				
Puerperal eclampsia		4	4		4				
Puerperal hemorrhage		6	6		6				
Pelvic hematoma		1	1		1				
Puerperal insanity		1	1		1				
Puerperal emesis		2	2		2				
Phlegmasia alba dolens		1	1		1				
Pyosalpinx		6	6		6				
Salpingitis		1	1		1				
OSSEOUS AND INTEGUMENTARY SYSTEM	16	8	24						
Abscess multiple		1	1		1				
Abscess, lumbar	1		1	1					
Abscess, mastoid	2	1	3	1	1			1	
Abscess of abdomen	3	1	4	3	1				
Abscess of leg	1	1	2	1	1				
Abscess of mediastinum	1		1	1					
Cyst, sublingual dermoid	1		1	1					
Carbuncle of neck	2		2	2					
Eczema		1	1		1				
Gangrene of leg	1	1	2	1	1				
Gangrene of umbilical cord	1		1	1					
Mastoiditis	1		1	1					

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single...		Married...		Widowed...		Divorced...		Unascertained...	
Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female	Male...	Female
.....	2	....	1	.....	2	....	....	.....	.....	.....	5	....	....	....	....	....	...
.....	.....	...	1	.....	3	....	....	.....	.....	.....	4	...	....	....	....	....	...
.....	2	....	1	.....	3	....	...	.....	1	.....	5	....	....	....	....	....	...
.....	.....	...	1	.....	.....	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	1	....	....	.....	.....	...	....	.....	.....	....	1	....	....	....	....	....	...
.....	1	....	1	.....	.....	...	....	.....	.....	.....	2	....	....	....	....	....	...
.....	.....	...	....	.....	1	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	3	....	1	.....	1	....	1	.....	3	....	3	....	....	....	....	....	...
.....	.....	....	1	.....	.....	....	....	.....	.....	.....	1	....	....	....	....	....	...
.....	.....	...	1	.....	.....	....	....	.....	.....	.....	1	....	....	....	....	....	...
1	.....	....	...	.....	.....	....	....	1	.....	.....	...	....	....	...	....	....	...
1	.....	....	....	1	1	...	....	2	....	.....	1	....	....	...	....	....	...
2	.....	....	....	1	1	....	....	2	.....	.....	1	1	....	....	....	....	..
.....	1	....	....	1	.....	....	....	.....	1	.....	.....	1	....	....	....	....	...
.....	....	....	....	1	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
1	.....	...	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
.....	....	1	....	1	.....	...	....	.....	.....	.....	.....	2	....	....	....	..	...
.....	1	....	....	.....	.....	....	....	.....	1	.....	.....	....	....	....	....	....	...
.....	.....	....	...	1	1	....	....	1	.....	.....	.....	...	1	....	....	....	...
1	.....	....	....	.....	.....	..	....	1	.....	.....	.....	....	....	....	....	....	...
.....	.....	1	....	.....	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Males	Females	Grand Total	RACE. Caucasian. Male	Caucasian. Female	Mongolian. Male	Mongolian. Female	African. Male	African. Female
OSSEOUS AND INTEGUMENTARY SYSTEM —Continued.									
Necrosis of sternum and ribs	1	.....	1	1	....	...	....	....	....
Pemphigus	.....	2	2	....	2	....	....	....	...
Phlegmon of leg	1	.....	1	....	....	1	....	....	...
VIOLENT DEATHS	**336**	**105**	**441**						
MISADVENTURE AND NEGLIGENCE	183	74	257						
Anesthesia	1	1	2	1	1	...	....	....	....
Shock following amputation	2	3	5	2	3	....	...	....	....
Shock following celiotomy	7	8	15	7	8	....	....	....	....
Shock following intrapelviotomy	.....	13	13	....	12	....	1	....	...
Shock following Caesarean section	.....	1	1	....	1	....	....	....	....
Asphyxiation, foreign body in trachea	4	1	5	4	1	....	..	...	....
Asphyxiation by illuminating gas	12	13	25	11	13	1	....	....	....
Asphyxiation, smothered in bed	1	1	2	....	1	1	...	...	....
Burns and scalds	5	9	14	5	9	....	....	...	....
Burns (sat on hot stove)	1	.....	1	1	...	....	....	....	....
Crushed by falling gate	1	.....	1	1	....	....	....	....	....
Crushed, collision on bay	1	.....	1	1	....	..	....	....	....
Caving-in of excavation	2	.....	2	2	....	....	....	....	....
Crushed by freight	2	.....	2	2	....	....	...	....	....
Drowning	36	....	36	36	...	....	....	..	....
Explosion	3	.....	3	3	....	....	...	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast		Other States		Foreign		Unascertained		Single		Married		Widowed		Divorced		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		1								1							
			1		1				1		1						
				1				1									
		1	1						1	1							
			1	2	2					2	2		1				
3		1	5	3	3			4	1	2	6	1	1				
			7		6				2		8		3				
	1										1						
3	1			1				4	1								
1	2		2	11	9			7	4	3	3	1	5	1	1		
1	1							1	1								
3	4		3	2	2			3	3	2	4		1				1
				1				1									
1										1							
		1						1									
				1		1				1						1	
				2				2									
8		2		15		11		19		4		1		1		11	
		1		2				1		2							

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
MISADVENTURE AND NEGLIGENCE Continued.									
Exposure	.....	1	1	....	1	....	....	....	....
Fall from building	9	1	10	9	1	....	...	....	....
Fall from ladder	1	....	1	1	....	....	....	....	....
Fall from electric light pole	1	.....	1	1	...	....	....	....	...
Fall down stairs	5	.....	5	5	....	....	....	...	....
Falls	12	7	19	12	7	....	....	....	....
Fall on coal chute	1	.....	1	1	...	....	...	....	....
Fall from cable car	1	.....	1	1	....	....		....	....
Fall from bicycle	1	.....	1	1	...	....	....	....	....
Fall from vehicles	5	.....	5	5	....	....	....	....	...
Fall down embankment	2	.....	2	1	....	1	...	....	....
Fall from rigging of ship	1	.....	1	1	....	....	....	....	....
Fall into hold of ship	6	.....	6	6	....	...	.	....	....
Fall down elevator shaft	1	.....	1	1	...	...	....	....	....
Firearms	4	3	7	4	3	....	...	....	...
Criminal abortion	.....	3	3	....	3	....	....	....	....
Killed by electricity	2	.....	2	2	....	....	.. .	....	....
Killed by machinery	6	.....	6	6	....	....	....	...	....
Killed by elevators	3	.....	3	3	....	...	....	....	....
Killed by falling iron	1	.....	1	1	....	....	....	...	....
Killed by falling plank	1	.....	1	1	...	....	..	....	...
Killed by railroads	6	1	7	6	1	....	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.											
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single.....		Married...		Widowed..		Divorced..		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
.....	1	....	....	.....	.....	....	....	.....	1	.....	.....	....	....	....	....	....	...
.....	1	2	....	7	.....	....	....	4	1	5	.....	....	....	....	....	....	...
1	.....	....	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
.....	.....	....	....	1	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...
.....	.....	2	....	3	.....	....	....	2	.....	3	.....	....	....	....	....	....	...
4	2	2	1	5	4	1	....	6	1	3	2	2	3	....	1	1	...
.....	.....	1	....	.....	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...
.....	.....	....	....	1	....	....	....	1	.....	.....	.....	....	....	....	....	....	...
.....	.....	..	....	1	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
1	.....	....	....	3	.....	1	....	2	.....	1	.....	1	....	....	....	1	...
.....	.....	....	..	.....	.....	2	....	.....	.....	.....	.....	....	....	....	....	2	...
.....	.....	....	....	1	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...
2	.....	....	....	4	.....	....	....	2	.....	2	.....	2	....	....	....	....	...
.....	.....	....	....	1	.....	....	....	.....	.....	1	.....	....	....	....	....	....	...
2	2	....	...	2	1	...	....	3	3	1	.....	....	....	...	....	...	...
.....	.....	....	1	.....	1	....	1	.....	1	.....	2	....	....	....	....	....	...
1	.....	....	....	1	.....	....	....	1	.....	1	.....	....	....	....	....	....	...
.....	.....	2	...	4	.....	....	....	2	.....	3	.....	....	....	1	....	....	...
1	.....	2	....	.....	.....	....	....	2	.....	1	.....	....	....	....	....	....	...
1	.....	....	....	.....	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
.....	.....	1	....	.....	.....	....	....	.....	.....	1	.....	....	....	....	..	....	...
1	.....	1	....	2	1	2	....	3	.....	1	1	....	....	....	....	2	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
MISADVENTURE AND NEGLIGENCE—Continued.									
Killed by street cars (electric)	8	3	11	7	3	....	....	1	....
Killed by street cars (cable)	2	.....	2	2	....	..	....	....	....
Run over by vehicles	8	3	11	8	3	....	....	....	....
Kicked by cow	1	.....	1	1	....	....	....	...	....
Kicked by horse	2	.....	2	2	....	....	....	....	....
Thrown from horse	2	.....	2	2	....	....	....	...	....
Lead poisoning	4	.....	4	4	....	....	....	...	...
Ptomaine poisoning	2	1	3	2	1	....	....	....	....
Poisons, carbolic acid	2	1	3	2	1	....	....	....	....
Poisons, morphine	3	.....	3	3	....	...	....	....	...
Poisons, wine of colchicum	1	.....	1	1	....	.	....	....	....
Decomposed and disorganized remains	1	.....	1	....	...	1	....	....	....
HOMICIDE	26	2	28						
By blows	4	1	5	4	1	....	....	....	....
By cutting instrument	5	.....	5	2	....	3	....	....	....
By firearms	16	1	17	11	1	5	....	....	....
Infanticide	1	.....	1	1	....	....	....	....	....
SUICIDE	127	29	156						
By cutting instrument	4	1	5	4	1	....	...	....	....
By charcoal fumes	1	....	1	1	...	....	....	....	....
By drowning	7	1	8	7	1	....	....	....	....

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast...		Other States...		Foreign...		Unascertained...		Single.....		Married...		Widowed...		Divorced...		Unascertained...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
2	.....	2	1	4	2	....	....	5	.....	2	2	....	1	....	....	1	...
...	.....	1	...	1	.....	....	....	1	.....	1	.....	....	....	....	....	....	...
2	2	3	....	3	1	....	....	4	2	4	1	....	....	....	....	....	...
.....	.....	....	....	1	.....	....	....	.....	.....	1	.....	....	....	...	....	....	...
.....	.....	....	....	2	.....	....	....	.....	.....	1	.....	1	....	....	....	...	...
2	.....	....	....	.....	.....	....	...	1	.....	1	.....	....	....	....	....	....	...
2	.....	1	....	1	.....	....	....	1	.....	2	.....	1	....	....	....	...	...
2	.....	....	....	...	1	....	....	2	.....	.....	.....	....	1	....	....	....	...
1	...	....	....	1	1	...	....	1	.....	1	1	....	....	....	....	....	...
1	.....	1	....	.....	.....	1	....	.....	.....	2	.....	....	....	....	....	1	...
.....	.....	....	....	1	.....	....	....	1	.....	.....	.....	....	....	....	....	....	...
.....	.....	....	....	1	.....	....	....	.....	.....	.....	.....	....	....	....	....	1	...
.....	.....	1	....	3	1	....	....	1	.....	3	1	....	....	....	....	....	...
2	.....	...	....	3	.....	....	....	4	.....	1	.....	....	...	....	....	....	...
3	1	2	....	11	.....	....	....	6	1	7	.....	2	....	...	....	1	...
1	.....	....	....	.....	.....	....	....	1	.....	.....	.....	...	....	....	...	....	...
1	1	2	....	1	.....	....	....	2	1	1	.....	....	....	....	....	1	...
.....	.....	....	....	1	.....	....	....	1	.....	.....	.....	....	....	....	....	....	..
2	....	....	1	3	.....	2	....	5	1	.....	.....	....	...	....	....	2	...

TABLE NO. III

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	RACE. Caucasian		Mongolian		African	
				Male	Female	Male	Female	Male	Female
SUICIDE—Continued.									
By firearms	41	3	44	40	3	1	...	....	....
By hanging	6	2	8	5	2	1	...	....	....
By illuminating gas	20	3	23	19	3	....	...	....	1
By jumping from building	3	1	4	3	1	....	....	....	....
By amylic alcohol	1	.....	1	1	....	....	....	....	....
By carbolic acid	15	15	30	15	15	....	....	....	....
By cebadilla	1	.....	1	1	....	....	....	....	....
By cyanide of potassium	7	.....	7	7	....	....	....	....	....
By hydrocyanic acid	2	.....	2	2	....	....	....	....	....
By opium; morphine	13	1	14	11	1	2	....	....	....
By strychnine	6	2	8	6	2	....	....	....	....
TOTALS	**3938**	**2606**	**6544**	3511	2531	397	57	30	18

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

NATIVITY.								SOCIAL CONDITION.									
Pacific Coast		Other States		Foreign		Unascertained		Single		Married		Widowed		Divorced		Unascertained	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
4	.....	7	2	25	1	5	....	12	2	15	1	4	....	1	....	9	...
.....	.....	....	....	4	2	2	....	2	1	1	1	....	....	....	....	3	...
3	.....	3	1	12	2	2	....	7	1	5	1	2	....	1	1	5	...
1	1	....	....	2	.....	....	....	2	1	1	.....	....	....	....	....	....	...
.....	.....	1	....	.....	.....		....	1	.....	.....	.....	....	....	..	....	....	...
3	8	3	2	9	5	....	....	10	7	3	4	....	3	....	1	2	...
.....	.....	....	....	1	.....	....	....	.....	.....	.....	.....	....	....	....	....	1	...
1	.....	3	...	3	.....	....	...	3	.....	3	.....	1	....	...	....	....	...
.....	.....	1	....	1	.....	....	....	1	.....	1	.....	....	....	....	....	....	...
1	1	3	....	6	.....	3	....	5	1	4	.....	....	....	1	....	3	...
.....	2	....	....	5	.....	1	....	4	2	2	.....	..	....	..	....	....	...
1,218	1,057	646	492	2,000	1,048	74	9	2,184	1,059	1,211	938	368	572	15	8	160	29

TABLE

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
GENERAL DISEASES	**1558**	**1129**	**2687**
SPECIFIC FEBRILE	156	145	301
Cerebro-spinal meningitis	18	12	30
Diphtheria	76	78	154
Influenza (La Grippe)	5	10	15
Malarial fevers	5	5	10
Measles	1	.....	1
Pertussis (whooping-cough)	11	14	25
Scarlet fever	3	6	9
Typhoid fever	37	20	57
DIARRHEAL	44	24	68
Cholera infantum	32	15	47
Cholera morbus	2	2	4
Diarrhea	1	2	3
Diarrhea, infantile	4	3	7
Dysentery	5	2	7
VENEREAL	24	9	33
Syphilis, acquired	9	.....	9
Syphilis, congenital	15	9	24
SEPTIC	39	56	95
Erysipelas	5	2	7
Puerperal septicemia	.....	23	23

NO. IV.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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1	2	7	7	...	...	3	7	...	...	6	2	2	4	2	2	5	6	10	7	25	28	12	10
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2	...	1	2	...	...	1	...	...	...	1	...	...	...	1	...	...	1	1	2	7	8	4	3
2	...	3	3	...	...	1	1	...	...	...	...	...	2	1	...	2	1	2	1	14	6	4	1
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
SEPTIC—Continued.			
Pyemia	7	8	15
Septicemia (cause not stated)	17	10	27
Septicemia following laryngectomy	1	.....	1
Septicemia following celiotomy	1	2	3
Septicemia following intrapelviotomy	3	7	10
Septicemia following repair of cervix	.....	1	1
Septicemia following Caesarean section	.....	1	1
Septicemia following carbuncle of face	.....	1	1
Septic endocarditis	2	.....	2
Septic pericarditis	2	.....	2
Tetanus	1	1	2
PARASITIC	1	1	2
Intestinal worms	1	.....	1
Thrush	.....	1	1
DIETETIC	122	111	233
Malnutrition	4	4	8
Inanition	118	107	225
CONSTITUTIONAL	970	641	1611
Arthritis deformans	1	3	4
Anemia, chlorosis	11	10	21
Carcinoma of breast	.....	24	24
Carcinoma of liver	29	25	54

–CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.

First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	3	...	4	...	4
...	1	...	1	...	...	2	...	...	...	2	...	...	...	1	3	1	...	1	1	4	8	4	6

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CONSTITUTIONAL—Continued.			
Carcinoma of rectum	7	5	12
Carcinoma of stomach	48	30	78
Carcinoma of uterus	.....	61	61
Carcinoma of ovaries	.....	1	1
Carcinoma (not specified)	19	8	27
Carcinoma disseminata	.....	1	1
Carcinoma of arm	1	1	2
Carcinoma of axilla	1	.....	1
Carcinoma of bile ducts	2	.....	2
Carcinoma of bladder	4	1	5
Carcinoma of colon	3	2	5
Carcinoma of esophagus	7	.....	7
Carcinoma of face	9	2	11
Carcinoma of intestines	1	4	5
Carcinoma of kidney	1	1	2
Carcinoma of maxilla	2	.....	2
Carcinoma of mediastinum	.....	1	1
Carcinoma of neck	7	.....	7
Carcinoma of nose	1	.....	1
Carcinoma of omentum	7	2	9
Carcinoma of pancreas	.....	2	2
Carcinoma of parotid gland	1	.....	1
Carcinoma of peritoneum	1	2	3

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.

First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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...	2	...	6	...	...	...	3	...	...	...	1	...	1	...	6	...	3	...	1	...	17	...	13
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TABLE No. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CONSTITUTIONAL—Continued.			
Carcinoma of pharynx	4	2	6
Carcinoma of prostate gland	2	.....	2
Carcinoma of spleen	.....	2	2
Carcinoma of tongue	7	.....	7
Diabetes	30	25	55
Gout	1	.....	1
Hemophilia	2	4	6
Leucocythemia	5	1	6
Leprosy	2	.....	2
Rheumatism	4	14	18
Rickets	.....	1	1
Sarcoma (not specified)	1	2	3
Sarcoma of abdomen	.....	4	4
Sarcoma of colon	1	.....	1
Sarcoma disseminata	4	1	5
Sarcoma of groin	1	.....	1
Sarcoma of ileum	1	.....	1
Sarcoma of intestines	1	.....	1
Sarcoma of kidney	1	.....	1
Sarcoma of larynx	1	.....	1
Sarcoma of liver	1	.....	1
Sarcoma of lung	1	.....	1
Sarcoma of mediastinum	.....	1	1

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.

First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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1	2	2	3	...	...	3	1	...	...	1	...	...	...	...	2	...	2	3	..	7	3	5	9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CONSTITUTIONAL—Continued.			
Sarcoma, melanotic	1	.....	1
Sarcoma of maxilla	.....	1	1
Sarcoma of neck	4	.....	4
Sarcoma of omentum	.....	1	1
Sarcoma of uterus	.....	4	4
Tuberculosis, articular	7	3	10
Tuberculosis, cerebral, meningeal	28	25	53
Tuberculosis, glandular	2	3	5
Tuberculosis, general	7	9	16
Tuberculosis, miliary	8	1	9
Tuberculosis, peritoneal	13	8	21
Tuberculosis, pulmonary	654	340	994
Tuberculosis, laryngeal	3	1	4
Tuberculosis, intestinal	5	2	7
Tuberculosis, spinal	5	.....	5
DEVELOPMENTAL	202	142	344
Atelectasis, congenital	15	9	24
Cardiac malformation (cyanosis)	8	8	16
Icterus neonatorum	9	1	10
Marasmus, infantile	28	24	52
Marasmus, senile	15	8	23
Dystocia	2	1	3
Senility	121	89	210

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																							
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
														1									
																				2		1	
											1												
														1					1				
						1														1	1	2	1
3	1	2	4		1	1	1		1			1	1		1	1		5	1	7	11	5	2
		1								1	1												1
							1						1					1	1		1	1	1
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		1	1							1			1				2		1	3	2	1	1
12	5	23	27	3		98	22	2	1	50	7	5	9	27	22	16	15	30	32	99	91	68	52
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		3	1				1													1			
		1																		2			
	1	1	2							1				1		1		1	2	3	1	5	3
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2		1				4	2			2	1	1		1	2	1	1		5	8	11	7	1
		1				1					1								1	2	1	4	3
																1				1	1		
2	3	6	5			16	2	2		8		1	3	5	5		2	3	5	11	24	10	13

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males.....	Total Females.....	Grand Total.....
CONSTITUTIONAL—Continued.			
Spina bifida	1	2	3
Asphyxia neonatorum	2	.....	2
Strangulation of umbilical cord	1	.....	1
LOCAL DISEASES	**2044**	**1372**	**3416**
NERVOUS SYSTEM	425	287	712
Alcoholism	25	11	36
Apoplexy, cerebral	167	116	283
Brain, abscess of	4	3	7
Brain, congestion of	4	7	11
Brain, softening of	28	13	41
Brain, tumor of	9	3	12
Brain, edema of	.....	1	1
Brain, sclerosis of	1	1	2
Chorea	1	2	3
Convulsions, infantile	40	40	80
Acromegalia	.....	1	1
Eclampsia (not puerperal)	.....	3	3
Encephalitis, Cerebritis	13	6	19
Epilepsy	5	6	11
Hydrocephalus	2	5	7
Insanity	1	1	2
Laryngismus stridulus	1	.....	1

–CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.

First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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3	1	10	10	...	...	6	1	1	...	3	3	4	4	11	7	4	4	14	8	29	33	33	29
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
NERVOUS DISEASES—Continued.			
Locomotor ataxia	6	.....	6
Meningitis, cerebral	63	46	109
Meningitis, spinal	4	1	5
Morphinism	12	2	14
Myelitis	12	3	15
Neuritis (not specified)	2	1	3
Paralysis, ascending	.....	1	1
Paralysis, traumatic	1	.....	1
Paralysis, bulbar	3	1	4
Paralysis agitans	5	2	7
Paralysis, general; paresis	15	9	24
Progressive muscular atrophy	.....	1	1
Sclerosis of spinal cord	1	1	2
CIRCULATORY SYSTEM	481	246	727
Aneurism of aorta	19	5	24
Angina pectoris	19	14	33
Arterio-Sclerosis, Endarteritis	15	5	20
Embolism, Thrombosis	8	9	17
Endocarditis	47	28	75
Heart, fatty	47	38	85
Heart, valvular disease of	307	129	436
Hydropericardium	2	1	3
Myocarditis	8	6	14

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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1	2	3	6	...	...	1	4	...	...	1	2	...	1	2	1	4	1	5	6	22	13	10	6
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4	2	1	3	...	1	19	5	...	...	8	2	...	...	1	2	...	...	2	2	4	7	3	3
...	2	3	3	...	...	1	...	...	...	1	2	1	...	3	3	2	...	6	3	8	11	10	8
6	2	12	11	2	...	13	2	1	...	5	3	9	1	14	6	10	5	17	14	69	40	45	28
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TABLE No. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
CIRCULATORY SYSTEM—Continued.			
Pericarditis	5	5	10
Senile heart	1	.....	1
Senile gangrene	3	5	8
Phlebitis	.....	1	1
RESPIRATORY SYSTEM	554	426	980
Asthma	21	14	35
Bronchitis	86	93	179
Broncho-Pneumonia	65	72	137
Croup, catarrhal	5	.....	5
Hydrothorax	1	.....	1
Laryngitis	9	4	13
Pharyngitis, phlegmonous	1	.....	1
Pseudo-diphtheria	1	3	4
Pleurisy	6	3	9
Purulent pleurisy	15	5	20
Pneumonia	301	217	518
Pulmonary congestion	31	12	43
Fibroid phthisis	3	3	6
Lung, abscess of	5	.....	5
Lung, gangrene of	4	.....	4
DIGESTIVE SYSTEM	331	231	562
Appendicitis	22	6	28

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																							
First.....		Second....		Third....		Fourth....		Fifth.....		Sixth.....		Seventh...		Eighth....		Ninth.....		Tenth.....		Eleventh..		Twelfth...	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
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3	1	9	7	...	...	12	4	...	...	2	1	2	1	2	3	6	7	4	9	17	17	10	18
7	4	9	13	1	1	7	8	...	...	5	1	1	1	2	5	2	6	2	7	8	10	5	10
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4	8	15	9	1	2	10	8	..	...	7	2	3	7	11	12	8	12	22	23	89	69	36	33
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
DIGESTIVE SYSTEM—Continued.			
Enteritis, entero-colitis	70	64	134
Gallstones	3	2	5
Gastric hemorrhage (cause not stated)	3	6	9
Gastric ulcer	6	6	12
Gastritis	15	27	42
Gastro-enteritis	40	29	69
Hernia, strangulated	9	7	16
Intestines, obstruction of	16	17	33
Intestines, intussusception of	6	5	11
Volvulus	.....	2	2
Liver, abscess of	8	5	13
Liver, cirrhosis of	96	28	124
Liver, inflammation of	15	6	21
Liver, congestion of	.....	1	1
Liver, acute yellow atrophy of	1	.....	1
Esophagus, stricture of	3	.....	3
Pancreas, abscess of	.....	1	1
Stomatitis, gangrenous	1	1	2
Peritonitis	17	17	34
Typhlitis	.....	1	1
ABSORBENT AND GLANDULAR SYSTEM	3	5	8
Lymphadenoma	1	.....	1

—CONTINUED.

ACCORDING TO RACE, NATIVITY AND SOCIAL CONDITION.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
2	2	3	2	...	...	1	2	...	.	...	1	1	1	3	3	1	1	7	4	6	13	6	5
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...	...	6	4	...	...	3	5	...	...	3	2	...	1	...	1	3	3	5	1	13	4	2	5
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4	3	1	4	1	...	30	...	..	...	12	4	2	...	2	1	...	...	6	3	13	3	7	3
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
ABSORBENT AND GLANDULAR SYSTEM—Continued			
Myxedema	.....	1	1
Tonsilitis	1	4	5
Tonsilitis, suppurative	1	.....	1
URINARY SYSTEM	234	127	361
Calculus, renal	2	.....	2
Calculus, vesical	2	1	3
Cystitis, acute	3	2	5
Cystitis, chronic	8	2	10
Nephritis, acute	39	26	65
Nephritis, chronic	145	79	224
Pyelitis	13	4	17
Kidney, abscess of	3	1	4
Kidney, cystic disease of	1	.....	1
Anuria (post-operative)	1	.....	1
Prostate gland, abscess of	1	.....	1
Uremia (cause not stated)	16	12	28
REPRODUCTIVE SYSTEM	.....	42	42
Abortion, miscarriage	.....	5	5
Dystocia	.....	3	3
Pelvic abscess	.....	5	5
Pelvic peritonitis	.....	2	2
Placenta previa	.....	5	5

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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...	...	1	...	...	...	2	1	1	1	3	2	...	1	4	1	2	...	...	1	8	8	1	3
2	1	7	4	...	...	11	2	1	...	19	2	2	2	9	3	3	1	11	6	21	19	27	31
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
REPRODUCTIVE SYSTEM—Continued.			
Puerperal eclampsia	....	4	4
Puerperal hemorrhage	.....	6	6
Pelvic hematoma	.....	1	1
Puerperal insanity	.....	1	1
Puerperal emesis	.....	2	2
Phlegmasia alba dolens	.....	1	1
Pyosalpinx	.....	6	6
Salpingitis	.....	1	1
OSSEOUS AND INTEGUMENTARY SYSTEM	16	8	24
Abscess multiple	.....	1	1
Abscess, lumbar	1	.....	1
Abscess, mastoid	2	1	3
Abscess of abdomen	3	1	4
Abscess of leg	1	1	2
Abscess of mediastinum	1	.....	1
Cyst, sublingual dermoid	1	.... .	1
Carbuncle of neck	2	.....	2
Eczema	.....	1	1
Gangrene of leg	1	1	2
Gangrene of umbilical cord	1	.....	1
Mastoiditis	1	.....	1
Necrosis of sternum and ribs	1	.....	1
Pemphigus	.....	2	2

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																											
First.....		Second.....		Third.....		Fourth.....		Fifth.....		Sixth.....		Seventh.....		Eighth.....		Ninth.....		Tenth.....		Eleventh..		Twelfth...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
OSSEOUS AND INTEGUMENTARY SYSTEM—Continued			
Phlegmon of leg	1	.....	1
VIOLENT DEATHS	**336**	**105**	**441**
MISADVENTURE AND NEGLIGENCE	183	74	257
Anesthesia	1	1	2
Shock following amputation	2	3	5
Shock following celiotomy	7	8	15
Shock following intrapelviotomy	.....	13	13
Shock following Caesarean section	.....	1	1
Asphyxiation, foreign body in trachea	4	1	5
Asphyxiation by illuminating gas	12	13	25
Asphyxiation, smothered in bed	1	1	2
Burns and scalds	5	9	14
Burns (sat on hot stove)	1	.....	1
Crushed by falling gate	1	.....	1
Crushed, collision on bay	1	.....	1
Crushed by freight	2	.....	2
Caving-in of excavation	2	.....	2
Drowning	36	.....	36
Explosion	3	.....	3
Exposure	.....	1	1
Fall from building	9	1	10
Fall from ladder	1	.....	1

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.

First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males.....	Total Females.....	Grand Total.....
MISADVENTURE AND NEGLIGENCE—Continued.			
Fall from electric light pole	1	.....	1
Fall down stairs	5	.....	5
Falls	12	7	19
Fall on coal chute	1	.....	1
Fall from cable car	1	.....	1
Fall from bicycle	1	.....	1
Fall from vehicles	5	.....	5
Fall down embankment	2	.....	2
Fall from rigging of ship	1	.....	1
Fall into hold of ship	6	.....	6
Fall down elevator shaft	1	.....	1
Firearms	4	3	7
Criminal abortion	.....	3	3
Killed by electricity	2	.....	2
Killed by machinery	6	.....	6
Killed by elevators	3	.....	3
Killed by falling iron	1	.....	1
Killed by falling plank	1	.....	1
Killed by railroads	6	1	7
Killed by street cars (electric)	8	3	11
Killed by street cars (cable)	2	.....	2
Run over by vehicles	8	3	11
Kicked by cow	1	.....	1

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
MISADVENTURE AND NEGLIGENCE—Continued.			
Kicked by horse	2	.....	2
Thrown from horse	2	.....	2
Lead poisoning	4	.....	4
Ptomaine poisoning	2	1	3
Poisons, carbolic acid	2	1	3
Poisons, morphine	3	.....	3
Poisons, wine of colchicum	1	.....	1
Decomposed and disorganized remains	1	.....	1
HOMICIDE	26	2	28
By blows	4	1	5
By cutting instrument	5	.....	5
By firearms	16	1	17
Infanticide	1	.....	1
SUICIDE	127	29	156
By cutting instrument	4	1	5
By charcoal fumes	1	.....	1
By drowning	7	1	8
By firearms	41	3	44
By hanging	6	2	8
By illuminating gas	20	3	23
By jumping from building	3	1	4
By carbolic acid	15	15	30

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																									
First		Second		Third		Fourth		Fifth		Sixth		Seventh		Eighth		Ninth		Tenth		Eleventh		Twelfth	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Total Males	Total Females	Grand Total
SUICIDE—Continued.			
By amylic alcohol	1	.....	1
By cebadilla	1	.....	1
By cyanide of potassium	7	.....	7
By hydrocyanic acid	2	.....	2
By opium; morphine	13	1	14
By strychnine	6	2	8
TOTALS	**3938**	**2606**	**6544**

—CONTINUED.

ACCORDING TO LOCALITIES—SUPERVISORIAL WARDS.

WARDS.																							
First.....		Second....		Third.....		Fourth....		Fifth.....		Sixth.....		Seventh...		Eighth....		Ninth.....		Tenth.....		Eleventh..		Twelfth...	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
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93	55	169	189	17	6	307	113	16	6	174	52	58	65	152	140	113	107	244	223	759	685	492	459

TABLE No. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
GENERAL DISEASES						
SPECIFIC FEBRILE						
Cerebro-spinal meningitis	....	....	....	....	....	....
Diphtheria	....	....	....	....	....	....
Influenza (La Grippe)	....	....	....	....	....	....
Malarial fevers	....	....	....	....	..	....
Measles	....	....	....	....	....	....
Pertussis (whooping-cough)	....	....	....	....	....	....
Scarlet fever	....	....	....	....	....	....
Typhoid fever	....	....	....	....	....	....
DIARRHEAL						
Cholera infantum	....	....	....	.	....	....
Cholera morbus	....	....	....	....	....	....
Diarrhea	....	....	....	..	....	....
Diarrhea, infantile	....	....	....	....	....	....
Dysentery	....	....	....	....	....	....
VENEREAL						
Syphilis, acquired	....	....	....	....	....	....
Syphilis, congenital	....	....	....	....	....	....
SEPTIC						
Erysipelas	....	..	....	....	....	....
Puerperal septicemia	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homœopathic Sanatorium.		Lane Hospital.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
SEPTIC—Continued.						
Pyemia	....	....	....	....	....	....
Septicemia (cause not stated)	...	...	....	....	....	....
Septicemia following laryngectomy	....	....	....	....	....	....
Septicemia following celiotomy	....	....	....	....	....	....
Septicemia following intrapelviotomy	....	....	...	...	....	...
Septicemia following repair of cervix	....	....	....	....	....	....
Septicemia following Caesarean section	....	....	....	....	....	....
Septicemia following carbuncle of face	....	..	....	....	....	....
Septic endocarditis	....	....	....	....	....	....
Septic pericarditis	....	...	....	....	....	....
Tetanus	.. .	....	....	....	....	....
PARASITIC						
Intestinal worms	...	....	....	....	....	....
Thrush	....	...	....	...	....	....
DIETETIC						
Malnutrition	....	....	....	....	...	....
Inanition	....	....	....	....	....	....
CONSTITUTIONAL						
Arthritis deformans	....	...	...	....	....	....
Anemia, chlorosis	....	....	....	....	....	....
Carcinoma of breast	....	....	....	....	....	....
Carcinoma of liver	....	....	.	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital		French Hospital.		German Hospital.		Homœopathic Sanatorium.		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.						
Carcinoma of rectum	....	....	....	....	....	....
Carcinoma of stomach	....	....	....	....	....	....
Carcinoma of uterus	....	....	....	....	....	....
Carcinoma of ovaries	....	....	....	....	....	....
Carcinoma (not specified)	....	....	....	....	....	....
Carcinoma disseminata	....	....	....	....	....	....
Carcinoma of arm	....	....	....	....	....	....
Carcinoma of axilla	....	....	....	....	....	....
Carcinoma of bile ducts	....	....	....	....	....	....
Carcinoma of bladder	....	....	....	....	....	....
Carcinoma of colon	....	....	....	....	....	....
Carcinoma of esophagus	....	....	....	....	....	....
Carcinoma of face	....	....	....	....	....	....
Carcinoma of intestines	....	....	....	....	....	....
Carcinoma of kidney	....	....	....	....	....	....
Carcinoma of maxilla	....	....	....	....	....	....
Carcinoma of mediastinum	....	....	....	....	....	....
Carcinoma of neck	....	....	....	....	....	....
Carcinoma of nose	....	....	....	....	....	....
Carcinoma of omentum	....	....	....	....	....	....
Carcinoma of pancreas	....	....	....	....	....	....
Carcinoma of parotid gland	....	....	....	....	....	....
Carcinoma of peritoneum	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium		Lane Hospital.	
Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.						
Carcinoma of pharynx	....	....	....	....	....	....
Carcinoma of prostate gland	...	....	....	....	....	....
Carcinoma of spleen	....	...	....	....	....	....
Carcinoma of tongue	....	....	....	....	....	....
Diabetes	....	....	....	....	....	....
Gout	....	....	....	...	....	....
Hemophilia	....	....	....	....	....	....
Leucocythemia	....	....	....	....	....	....
Leprosy	....	....	....	....	....	....
Rheumatism	....	....	....	....	....	....
Rickets	...	....	....	...	....	....
Sarcoma (not specified)	...	....	....	....	...	....
Sarcoma of abdomen	....	....	....	....	...	....
Sarcoma of colon	....	....	....	....	....	....
Sarcoma disseminata	....	....	....	....	....	...
Sarcoma of groin	....	....	....	....	....	....
Sarcoma of ileum		...	....	....	....	....
Sarcoma of intestines	....	....	....	..	....	....
Sarcoma of kidney	....	....	....	....	....	....
Sarcoma of larynx	....	...	....	....	....	....
Sarcoma of liver	....	....	....	....	....	....
Sarcoma of lung	...	....	....	....	....	...
Sarcoma of mediastinum	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium.		Lane Hospital.	
Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach...	
	Male ..	Female	Male .	Female	Male ..	Female
CONSTITUTIONAL—Continued.						
Sarcoma, melanotic	...	....	....	....	....	....
Sarcoma of maxilla	....	....	...	....	....	....
Sarcoma of neck	....	....	....	....	....	....
Sarcoma of omentum	....	....	....	....	..	....
Sarcoma of uterus	...	....	....	....	....	..
Tuberculosis, articular	....	....	....	....	....	....
Tuberculosis, cerebral, meningeal	....	....	....	....	....	....
Tuberculosis, glandular	....	...	....	....	...	...
Tuberculosis, general	....	...	....	...	....	....
Tuberculosis, miliary	....	....	....	....	....	....
Tuberculosis, peritoneal	....	....	....	....	....	....
Tuberculosis, pulmonary	1	2	....	..	....	....
Tuberculosis, laryngeal	...	....	...	....	...	....
Tuberculosis, intestinal	....	....	....	..	....	...
Tuberculosis, spinal	....	....	....	...	....	....
DEVELOPMENTAL						
Atelectasis, congenital	..	....	....	...	...	....
Cardiac malformation (cyanosis)	....	....	....	....	....	....
Icterus neonatorum	..	....	..	..	...	...
Marasmus, infantile	....	....	....	..	....	....
Marasmus, senile	...	....	...	....	....	....
Dystocia	....	....	...	....	....	....
Senility	....	....	....	....	....	...

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homœopathic Sanatorium		Lane Hospital.	
Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female	Male.	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
DEVELOPMENTAL—Continued.						
Spina bifida	....	....	....	....	....	....
Asphyxia neonatorum	....	....	....	....	....	....
Strangulation of umbilical cord	....	....	....	....	....	....
LOCAL DISEASES						
NERVOUS SYSTEM						
Alcoholism	....	....	....	....	....	....
Apoplexy, cerebral	2	....	....	....	....	....
Brain, abscess of	....	....	....	....	....	....
Brain, congestion of	....	....	....	....	....	....
Brain, softening of	....	....	....	....	....	....
Brain, tumor of	....	....	....	....	....	....
Brain, edema of	....	....	....	....	....	....
Brain, sclerosis of	....	....	....	....	....	....
Chorea	....	....	....	....	....	....
Convulsions, infantile	....	....	....	....	....	....
Acromegalia	....	....	....	....	....	....
Eclampsia (not puerperal)	....	....	....	....	....	....
Encephalitis, Cerebritis	....	....	....	....	....	....
Epilepsy	....	....	....	....		....
Hydrocephalus	....	....	....	....	....	....
Insanity	....	....	....	....	....	....
Laryngismus stridulus	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach...	
	Male..	Female	Male..	Female	Male..	Female
NERVOUS DISEASES—Continued.						
Locomotor ataxia	....	....	....	....	....	....
Meningitis, cerebral	....	....	....	....	....	....
Meningitis, spinal	....	....	....	....	....	....
Morphinism	....	....	....	....	....	....
Myelitis	....	....	....	....	....	....
Neuritis (not specified)	....	....	....	....	....	....
Paralysis, ascending	....	....	....	....	....	....
Paralysis, traumatic	....	....	....	....	....	....
Paralysis, bulbar	....	....	....	....	....	....
Paralysis agitans	....	....	....	....	....	....
Paralysis, general; paresis	....	....	....	....	....	....
Progressive muscular atrophy	....	....	....	....	....	....
Sclerosis of spinal cord	....	....	....	....	....	....
CIRCULATORY SYSTEM						
Aneurism of aorta	....	....	....	....	....	....
Angina pectoris	....	1	....	....	....	....
Arterio-Sclerosis, Endarteritis	....	....	....	....	....	....
Embolism, Thrombosis	....	....	....	....	....	....
Endocarditis	....	....	....	....	....	....
Heart, fatty	....	....	....	....	....	....
Heart, valvular disease of	5	....	1	....	....	....
Hydropericardium	....	....	....	....	....	....
Myocarditis	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital		French Hospital.		German Hospital.		Homœopathic Sanatorium.		Lane Hospital.	
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach...	
	Male ..	Female	Male .	Female	Male ..	Female
CIRCULATORY SYSTEM—Continued.						
Pericarditis	....	....	....	....	....	....
Senile heart	..	....	....	....	....	....
Senile gangrene	. ..	....	....	....	....	....
Phlebitis	...	....	...	....	....	....
RESPIRATORY SYSTEM						
Asthma	....	....	....	....	....	....
Bronchitis	....	1	....	...	....	...
Broncho-Pneumonia	....	....	....	...	....	....
Croup, catarrhal	....	....	....	....	....	....
Hydrothorax	....	....	....	....	....	....
Laryngitis	....	...	....	....	....	....
Pharyngitis, phlegmonous	....	....	....	....	....	....
Pseudo-diphtheria	....	....	....	....	....	....
Pleurisy	....	....	....	...	....	....
Purulent pleurisy	....	....	....	....	....	....
Pneumonia	2	. ..	....	....	....	....
Pulmonary congestion	....	....	....	....	....	....
Fibroid phthisis	....	....	....	....	...	....
Lung, abscess of	....	....	....	....	....	....
Lung, gangrene of	....	....	....	....	....	....
DIGESTIVE SYSTEM						
Appendicitis	. ..	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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5		1														1					
32	9	1	1	1				1		4	2			3		6					1
2				1										1				1			
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
DIGESTIVE SYSTEM—Continued.						
Enteritis, entero-colitis	....	....	....	....	....	....
Gallstones	....	....	....	....	....	....
Gastric hemorrhage (cause not stated)	....	....	....	....	....	....
Gastric ulcer	....	....	....	....	....	....
Gastritis	....	....	....	....	....	....
Gastro-enteritis	....	....	....	....	....	....
Hernia, strangulated	....	....	....	....	....	....
Intestines, obstruction of	....	....	....	....	....	....
Intestines, intussusception of	....	....	....	....	....	....
Volvulus	....	....	....	....	....	....
Liver, abscess of	....	....	....	....	....	....
Liver, cirrhosis of	2	....	....	....	....	....
Liver, inflammation of	....	....	....	....	....	....
Liver, congestion of	....	....	....	....	....	....
Liver, acute yellow atrophy of	....	....	....	....	....	....
Esophagus, stricture of	....	....	....	....	....	....
Pancreas, abscess of	....	....	....	....	....	....
Stomatitis, gangrenous	....	....	....	....	....	....
Peritonitis	....	....	....	....	....	....
Typhlitis	....	....	....	....	....	....
ABSORBENT AND GLANDULAR SYSTEM						
Lymphadenoma	....	....	....	....	....	....
Myxedema	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PULLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station		Jails and Prisons		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homœopathic Sanatorium.		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
ABSORBENT AND GLANDULAR SYSTEM—Continued						
Tonsilitis	....	....	....	....	....	....
Tonsilitis, suppurative	....	....	....	....	....	....
URINARY SYSTEM						
Calculus, renal	....	....	....	....	....	....
Calculus, vesical	....	....	....	....	....	....
Cystitis, acute	....	....	....	....	....	....
Cystitis, chronic	....	....	....	....	....	....
Nephritis, acute	....	....	....	....	....	....
Nephritis, chronic	....	....	....	....	....	....
Pyelitis	....	....	....	....	....	....
Kidney, abscess of	....	....	....	....	....	....
Kidney, cystic disease of	....	....	....	....	....	....
Anuria (post-operative)	....	....	....	....	....	....
Prostate gland, abscess of	....	....	....	....	....	....
Uremia (cause not stated)	....	1	....	....	....	....
REPRODUCTIVE SYSTEM						
Abortion, miscarriage	....	....	....	....	....	....
Dystocia	....	....	....	....	....	....
Pelvic abscess	....	....	....	....	....	....
Pelvic peritonitis	....	....	....	....	....	....
Placenta previa	....	....	....	....	....	....
Puerperal eclampsia	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium.		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
REPRODUCTIVE SYSTEM—Continued.						
Puerperal hemorrhage	....	....	....	....	....	...
Pelvic hematoma	...	....	..	....	...	....
Puerperal insanity	....	....	....	...	....	....
Puerperal emesis	...	....	....	....	...	....
Phlegmasia alba dolens	....	....	...	....	....	....
Pyosalpinx	....	....	....	....	....	....
Salpingitis	....	....	....	.. .	....	....
OSSEOUS AND INTEGUMENTARY SYSTEM						
Abscess multiple	....	. ..	....	....	....	....
Abscess, lumbar	....	....	....	....	....	....
Abscess, mastoid	....	....	....	....	....	....
Abscess of abdomen	....	....	....	...	....	....
Abscess of leg	....	....	....	....	....	....
Abscess of mediastinum	...	....	....	....	....	....
Cyst, sublingual dermoid	....	....	...	...	....	....
Carbuncle of neck	...	....	....	....	....	....
Eczema	...	....	....	....	....	....
Gangrene of leg	....	....	....	...	....	....
Gangrene of umbilical cord	....	....	....	....	....	....
Mastoiditis	....	....	....	....	....	....
Necrosis of sternum and ribs	....	....	....	....	...	....
Pemphigus	....	....	....	...	....	....
Phlegmon of leg	....	....	. ..	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jail's and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV.

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
VIOLENT DEATHS						
MISADVENTURE AND NEGLIGENCE						
Anesthesia	....	....	....	....	....	...
Shock following amputation	....	....	....	....	....	....
Shock following celiotomy	....	....	....	....	....	....
Shock following intrapelviotomy	....	....	....	....	....	....
Shock following Caesarean section	....	....	....	....	....	....
Asphyxiation, foreign body in trachea	....	....	....	....	....	....
Asphyxiation by illuminating gas	....	....	....	....	....	....
Asphyxiation, smothered in bed	....	....	....	...	....	...
Burns and scalds	....	....	....	....	....	....
Burns (sat on hot stove)	....	....	....	....	....	...
Crushed by falling gate	....	....	...	....	....	....
Crushed, collision on bay	....	....	1	....	...	....
Crushed by freight	....	....	....	....	....	....
Caving-in of excavation	....	....	....	....	....	....
Drowning	....	....	31	....	1	....
Explosion	....	....	...	....	....	....
Exposure	....	....	....	....	....	....
Fall from building	....	....	....	....	....	....
Fall from ladder	...	....	....	....	....	....
Fall from electric light pole	....	....	....	....	....	....
Fall down stairs	....	....	....	....	....	...
Falls	....	....	....	....	....	...

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital.		French Hospital.		German Hospital.		Homœopathic Sanatorium		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institution		Bay of San Francisco		Ocean Beach	
	Male	Female	Male	Female	Male	Female
MISADVENTURE AND NEGLIGENCE—Continued.						
Fall on coal chute	....	....	....	....	....	....
Fall from cable car	....	....	....	....	....	....
Fall from bicycle	....	....	....	....	....	....
Fall from vehicles	....	....	....	....	....	....
Fall down embankment	....	....	....	....	....	....
Fall from rigging of ship	....	....	....	....	....	....
Fall into hold of ship	....	....	....	....	....	....
Fall down elevator shaft	....	....	....	....	....	....
Firearms	....	....	....	....	....	....
Criminal abortion	....	....	....	....	....	....
Killed by electricity	....	....	....	....	....	....
Killed by machinery	....	....	....	....	....	....
Killed by elevators	1	....	....	....	....	....
Killed by falling iron	....	....	....	....	....	....
Killed by falling plank	....	....	....	....	....	....
Killed by railroads	....	....	....	....	....	....
Killed by street cars (electric)	....	1	....	....	....	....
Killed by street cars (cable)	....	....	....	....	....	....
Run over by vehicles	1	....	....	....	....	....
Kicked by cow	....	....	....	....	....	....
Kicked by horse	....	....	....	....	....	....
Thrown from horse	....	....	....	....	....	....
Lead poisoning	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital.		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station.		Jails and Prisons.		Children's Hospital.		California Woman's Hospital		French Hospital.		German Hospital.		Homeopathic Sanatorium.		Lane Hospital.	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institutions		Bay of San Francisco		Ocean Beach...	
	Male..	Female	Male..	Female	Male..	Female
MISADVENTURE AND NEGLIGENCE—Continued.						
Ptomaine poisoning	...	....	....	....	....	....
Poisons, carbolic acid	....	....	....	....	....	....
Poisons, morphine	....	....	....	....	....	....
Poisons, wine of colchicum	....	....	....	....	....	....
Decomposed and disorganized remains	....	....	....	....	....	....
HOMICIDE						
By blows	....	....	....	....	....	....
By cutting instrument	1	....	....	....	....	....
By firearms	...	....	....	....	....	....
Infanticide	....	....	....	....	....	....
SUICIDE						
By cutting instrument	....	....	....	....	....	....
By charcoal fumes	....	....	....	....	....	....
By drowning	....	....	5	....	2	1
By firearms	....	....	....	....	....	....
By hanging	....	....	....	....	....	....
By illuminating gas	....	....	....	....	....	....
By jumping from building	....	....	....	....	....	....
By carbolic acid	1	....	...	....	....	....
By amylic alcohol	....	....	....	....	....	....
By cebadilla	....	....	....	...	....	....
By cyanide of potassium	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital. Male	City and County Hospital. Female	City and County Almshouse. Male	City and County Almshouse. Female	City Receiving Hospital. Male	City Receiving Hospital. Female	Harbor Ambulance Station. Male	Harbor Ambulance Station. Female	Jails and Prisons. Male	Jails and Prisons. Female	Children's Hospital. Male	Children's Hospital. Female	California Woman's Hospital. Male	California Woman's Hospital. Female	French Hospital. Male	French Hospital. Female	German Hospital. Male	German Hospital. Female	Homeopathic Sanatorium. Male	Homeopathic Sanatorium. Female	Lane Hospital. Male	Lane Hospital. Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	En route to Public Institution		Bay of San Francisco		Ocean Beach....	
	Male ..	Female	Male ..	Female	Male ..	Female
SUICIDE—Continued.						
By hydrocyanic acid	....	....	....	....	....	....
By opium; morphine	1	....	....	....	....	...
By strychnine	....	....	....	....	....	....
Totals	17	6	38	....	3	1

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

City and County Hospital		City and County Almshouse.		City Receiving Hospital.		Harbor Ambulance Station..		Jails and Prisons..		Children's Hospital..		California Woman's Hospital.		French Hospital.		German Hospital.		Homeopathic Sanatorium		Lane Hospital.	
Male..	Female	Male.	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
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440	120	124	21	61	7	28	2	7	1	27	21		15	61	17	90	15	7	4	30	14

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
GENERAL DISEASES						
SPECIFIC FEBRILE						
Cerebro-spinal meningitis	....	....	....	....	....	....
Diphtheria	....	....	....	....	....	1
Influenza (La Grippe)	....	....	....	....	....	..
Malarial fevers	....	....	....	....	....	....
Measles	....	....	....	....	....	....
Pertussis (whooping-cough)	....	....	....	....	....	....
Scarlet fever	...	....	....	....	....	....
Typhoid fever	....	....	....	....	....	....
DIARRHEAL						
Cholera infantum	....	....	....	.	3	....
Cholera morbus	....	....	....	....	....	....
Diarrhea	...	....	....	..	....	....
Diarrhea, infantile	...	....	....	....	....	....
Dysentery	1	....	....	....	....	....
VENEREAL						
Syphilis, acquired	....	....	....	....	....	....
Syphilis, congenital	....	....	....	....	15	7
SEPTIC						
Erysipelas	....	..	...	..	....	....
Puerperal septicemia	....	....	....	....	...	....

--CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Walcott Hospital.		Kings' Daughters' Home..		Magdalen Asylum..		Presidio...		St. Mark's Hospital.		Old Ladies' Home...		Other Institutions.. (See note below)		
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	
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a Girls' Directory. b Florence Crittenden Home. c Twenty-sixth Street Hospital.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male..	Female	Male..	Female	Male..	Female
SEPTIC—Continued.						
Pyemia	....	....	....	....	....	....
Septicemia (cause not stated)	....	....	...	....	....	....
Septicemia following laryngectomy	....	....	....	....	....	....
Septicemia following cellotomy	....	....	...	....	....	....
Septicemia following intrapelviotomy	....	1	...	...	....	...
Septicemia following repair of cervix	....	....	....	....	....	....
Septicemia following Caesarean section	....	....	....	....	....	....
Septicemia following carbuncle of face	....	...	....	....	....	....
Septic endocarditis	....	....	....	....	....	...
Septic pericarditis	....	...	....	....	....	....
Tetanus	.. .	....	....	....	....	....
PARASITIC						
Intestinal worms	...	....	....	....	....	....
Thrush	....	1	....	...	....	....
DIETETIC						
Malnutrition	....	....	....	....	...	1
Inanition	....	....	....	....	33	28
CONSTITUTIONAL						
Arthritis deformans	....	...	...	....	....	....
Anemia, chlorosis	....	....	1	....	....	....
Carcinoma of breast	....	....	....	....	....	....
Carcinoma of liver	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital. Male ..	Mount Zion Hospital. Female	Old People's Home.... Male ..	Old People's Home.... Female	St. Joseph's Home.... Male ..	St. Joseph's Home.... Female	St. Luke's Hospital. Male ..	St. Luke's Hospital. Female	St. Mary's Hospital. Male ..	St. Mary's Hospital. Female	U. S. Marine Hospital.... Male ..	U. S. Marine Hospital.... Female	Waldeck Hospital. Male ..	Waldeck Hospital. Female	Kings' Daughters' Home.. Male ..	Kings' Daughters' Home.. Female	Magdalen Asylum.. Male ..	Magdalen Asylum.. Female	Presidio.... Male ..	Presidio.... Female	St. Mark's Hospital. Male ..	St. Mark's Hospital. Female	Old Ladies' Home... Male ..	Old Ladies' Home... Female	Other Institutions .. (See note below.) Male ..	Other Institutions .. (See note below.) Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.						
Carcinoma of rectum	1	....	....	1	....	....
Carcinoma of stomach	....	....	....	....	....	....
Carcinoma of uterus	....	2	....	1	....	....
Carcinoma of ovaries	....	....	....	....	....	....
Carcinoma (not specified)	....	....	....	....	....	....
Carcinoma disseminata	....		....	....	....	....
Carcinoma of arm	....	....	....	....	....	....
Carcinoma of axilla	....	....	....	....	....	....
Carcinoma of bile ducts	....	....	....	....	....	....
Carcinoma of bladder	....	....	....	....	....	....
Carcinoma of colon	....	....	....	....	....	....
Carcinoma of esophagus	....	....	....	....	....	....
Carcinoma of face	....	....	....	....	....	....
Carcinoma of intestines	....	....	....	....	....	....
Carcinoma of kidney	....	....	....	....	....	....
Carcinoma of maxilla	....	....	....	....	....	....
Carcinoma of mediastinum	....	....	....	....	....	....
Carcinoma of neck	....	....	....	....	....	....
Carcinoma of nose	....	....	....	....	....	....
Carcinoma of omentum	....	....	....	....	....	....
Carcinoma of pancreas	....	....	....	....	....	....
Carcinoma of parotid gland	....	....	....	....	....	....
Carcinoma of peritoneum	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home ...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital...		Waldeck Hospital.		Kings' Daughters' Home ...		Magdalen Asylum..		Presidio ...		St. Mark's Hospital.		Old Ladies' Home ...		Other Institutions.. (See note below)		
Male ..	Female	Male .	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male	Female	Male ..	Female	Male ..	Female	Male ..	Female		
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a Brown's Hospital.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.						
Carcinoma of pharynx	....	....	....	....	....	....
Carcinoma of prostate gland	...	....	....	....	....	....
Carcinoma of spleen	....	....	....	....	....	....
Carcinoma of tongue	....	....	....	..	....	....
Diabetes	...	....	....	....	...	....
Gout	....	....	....	...	....	....
Hemophilia	....	....	....	...	....	....
Leucocythemia	....	1	....	....	..	....
Leprosy	....	....	....	...	....	....
Rheumatism	....	....	....	....	....	....
Rickets	...	....	....	...	....	....
Sarcoma (not specified)	...	....	....	....	...	....
Sarcoma of abdomen	...	....	....	....	...	....
Sarcoma of colon	....	....	....	....	....	....
Sarcoma disseminata	....	....	....	....	....	...
Sarcoma of groin	....	....	....	....	....	...
Sarcoma of ileum	..	...	....	....	....	....
Sarcoma of intestines	....	....	....	...	....	....
Sarcoma of kidney	....	....	....	....	....	....
Sarcoma of larynx	....	...	....	....	....	...
Sarcoma of liver	....	....	....	....	....	....
Sarcoma of lung	...	....	....	....	....	...
Sarcoma of mediastinum	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home....		Magdalen Asylum..		Presidio...		St. Mark's Hospital.		Old Ladies' Home..		Other Institutions.. (See note below.)		
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	
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a Twenty-sixth Street Hospital.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
CONSTITUTIONAL—Continued.						
Sarcoma, melanotic	....	....	....	....	....	....
Sarcoma of maxilla	....	....	....	....	....	....
Sarcoma of neck	....	....	....	....	....	....
Sarcoma of omentum	....	....	....	....	....	....
Sarcoma of uterus	....	....	....	....	....	....
Tuberculosis, articular	....	....	....	....	....	....
Tuberculosis, cerebral, meningeal	....	....	....	....	....	....
Tuberculosis, glandular	....	....	....	....	....	....
Tuberculosis, general	....	....	....	....	....	....
Tuberculosis, miliary	....	....	....	....	....	....
Tuberculosis, peritoneal	....	....	....	....	....	....
Tuberculosis, pulmonary	....	....	....	....	1	....
Tuberculosis, laryngeal	....	....	....	....	....	....
Tuberculosis, intestinal	....	....	....	....	....	....
Tuberculosis, spinal	....	....	....	....	....	....
DEVELOPMENTAL						
Atelectasis, congenital	....	....	....	....	....	....
Cardiac malformation (cyanosis)	....	....	....	....	....	....
Icterus neonatorum	....	....	....	....	6	1
Marasmus, infantile	....	....	....	....	1	....
Marasmus, senile	....	....	....	....	....	1
Dystocia	....	....	....	....	....	....
Senility	....	....	....	....	....	....

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ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home....		Magdalen Asylum..		Presidio...		St. Mark's Hospital.		Old Ladies' Home..		Other Institutions.. (See note below.)			
Male..	Female	Male..	Female	Male..	Female	Male.	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female		
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a Roman Catholic Orphan Asylum. b Our Lady's Home.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
DEVELOPMENTAL—Continued.						
Spina bifida	....	....	....	....	....	....
Asphyxia neonatorum	....	....	....	....	....	....
Strangulation of umbilical cord	....	....	....	....	....	....
LOCAL DISEASES						
NERVOUS SYSTEM						
Alcoholism	....	....	....	....	....	....
Apoplexy, cerebral	1	...	....	....	...	...
Brain, abscess of	...	....	....	....	....	....
Brain, congestion of	....	....	....	....	....	....
Brain, softening of	1	....	...	....	....	....
Brain, tumor of	.. .	....	....	....	....	....
Brain, edema of	....		....	....	...	....
Brain, sclerosis of	....	....	....	....	....	....
Chorea	....	....	....	..	....	....
Convulsions, infantile	....	....	....	....	....	....
Acromegalia	....	....	....	....	....	..
Eclampsia (not puerperal)	....	....	....	....	....	....
Encephalitis, Cerebritis	....	....	....	....	....	....
Epilepsy	....	....	....	....	..	....
Hydrocephalus	....	....	....	....	....	....
Insanity	..	....	....	....	....	....
Laryngismus stridulus	....	....	...	....	...	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home..		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital....		Waldeck Hospital.		Kings' Daughters' Home...		Magdalen Asylum..		Presidio..		St. Mark's Hospital.		Old Ladies' Home...		(See note below.)		Other Institutions..		
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	
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a Fort Mason Military Reservation. b Episcopal Old Ladies' Home. c Little Sisters' Infant Shelter.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNair Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
NERVOUS DISEASES—Continued.						
Locomotor ataxia	....	....	....	....	....	....
Meningitis, cerebral	....	1	1	....	1	....
Meningitis, spinal	....	....	....	....	....	....
Morphinism	....	....	....	....	....	....
Myelitis	....	....	....	....	....	...
Neuritis (not specified)	....	....	...	....	....	....
Paralysis, ascending	....	....	....	...	....	....
Paralysis, traumatic	....	....	....	....	....	....
Paralysis, bulbar	....	....	....	....	....	....
Paralysis agitans	....	....	....	. .	....	....
Paralysis, general; paresis	....	....	....	....	....	....
Progressive muscular atrophy	....	...	...	....	....	....
Sclerosis of spinal cord	....	....	....	....	....	....
CIRCULATORY SYSTEM						
Aneurism of aorta	....	....	....	....	....	....
Angina pectoris	....	....	....	....	....	....
Arterio-Sclerosis, Endarteritis	....	....	....	....	...	....
Embolism, Thrombosis	....	....	....	....	....	....
Endocarditis	....	....	....	....	....	....
Heart, fatty	....	....	....	....	....	. ..
Heart, valvular disease of	....	....	....	....	....	....
Hydropericardium	....	....	....	....	....	....
Myocarditis	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital		Old People's Home		St. Joseph's Home		St. Luke's Hospital		St. Mary's Hospital		U. S. Marine Hospital		Waldeck Hospital		Kings' Daughters' Home		Macdalen Asylum		Presidio		St. Mark's Hospital		Old Ladies' Home		Other Institutions (See note below)		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
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a Brown's Hospital. b Episcopal Old Ladies Home. c Our Lady's Home.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
CIRCULATORY SYSTEM—Continued.						
Pericarditis	....	....	....	....	....	....
Senile heart	..	....	....	....	....	...
Senile gangrene	...	....	...	....	....	....
Phlebitis	...	....	...	....	....	....
RESPIRATORY SYSTEM						
Asthma	....	....	....	....	....	....
Bronchitis	....	....	....	...	12	18
Broncho-Pneumonia	....	....	....	...	....	....
Croup, catarrhal	....	....	....	....	....	....
Hydrothorax	....	....	....	....	....	....
Laryngitis	....	...	....	....	....	....
Pharyngitis, phlegmonous	....	....	....	....	....	....
Pseudo-diphtheria	....	....	....	....	....	....
Pleurisy	....	....	....	...	....	....
Purulent pleurisy	....	....	....	....	....	....
Pneumonia	....	..	....	....	13	12
Pulmonary congestion	....	....	....	....	....	....
Fibroid phthisis	....	....	....	....	...	..
Lung, abscess of	....	....	....	....	....	....
Lung, gangrene of	....	....	....	....	....	....
DIGESTIVE SYSTEM						
Appendicitis	...	....	....	1	....	....

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ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home....		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home....		Magdalen Asylum..		Presidio....		St. Mark's Hospital.		Old Ladies' Home. ..		Other Institutions .. (See note below.)		
Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male .	Female	Male ..	Female	Male ..	Female	
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a Girls' Directory. b Roman Catholic Orphan Asylum. c Fort Mason Military Reservation.
d Camp Merritt, U. S. V.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male.	Female	Male.	Female	Male.	Female
DIGESTIVE SYSTEM—Continued.						
Enteritis, entero-colitis	....	....	1	...	30	28
Gallstones	....	....	....	....	....	....
Gastric hemorrhage (cause not stated)	....	....	....	....	....	....
Gastric ulcer	....	1	....	...	....	....
Gastritis	....	1	....	...	1	1
Gastro-enteritis	....	....	....	....	3	1
Hernia, strangulated	....	....	....	1	....	1
Intestines, obstruction of	....	....	....	....	....	....
Intestines, intussusception of	....	....	....	....	....	....
Volvulus	....	....	....	....	....	....
Liver, abscess of	....	....	....	....	....	....
Liver, cirrhosis of	....	....	....	....	....	1
Liver, inflammation of	....	....	....	....	....	....
Liver, congestion of	.. .	....	....	....	....	....
Liver, acute yellow atrophy of	....	....	....	....	....	....
Esophagus, stricture of	....	....	....	....	....	....
Pancreas, abscess of	....	....	....	....	....	....
Stomatitis, gangrenous	....	....	....	....	....	....
Peritonitis	....	....	....	....	....	....
Typhlitis	....	....	....	...	....	....
ABSORBENT AND GLANDULAR SYSTEM						
Lymphadenoma	....	....	....	....	....	....
Myxedema	.. .	...	...	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home...		Magdalen Asylum.		Presidio...		St. Mark's Hospital.		Old Ladies' Home...		Other Institutions.. (See note below.)		
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	
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a Ladies' Protective and Relief Society.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male	Female	Male	Female	Male	Female
ABSORBENT AND GLANDULAR SYSTEM—Continued						
Tonsilitis	....	....	....	....	...	....
Tonsilitis, suppurative	....	....	....	....	....	....
URINARY SYSTEM						
Calculus, renal	....	....	....	....	....	....
Calculus, vesical	....	....	....	....	....	....
Cystitis, acute	....	....	....	....	....	....
Cystitis, chronic	....	....	...	....	....	....
Nephritis, acute	....	....	1	....	5	4
Nephritis, chronic	2	....	....	....	....	1
Pyelitis	....	....	....	....	....	....
Kidney, abscess of	....	....	....	....	....	....
Kidney, cystic disease of	....	....	....	....	....	....
Anuria (post-operative)	....	....	....	....	....	....
Prostate gland, abscess of	....	....	....	....	....	...
Uremia (cause not stated)	....	....	....	....	....	....
REPRODUCTIVE SYSTEM						
Abortion, miscarriage	....	....	....	....	....	....
Dystocia	....	....	....	....	....	....
Pelvic abscess	....	3	....	....	....	....
Pelvic peritonitis	....	....	....	....	....	....
Placenta previa	...	....	....	....	....	....
Puerperal eclampsia	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital ...		Waldeck Hospital.		Kings' Daughters' Home..		Magdalen Asylum..		Presidio...		St. Mark's Hospital.		Old Ladies' Home...		Other Institutions.. (See note below.)	
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male..	Female	Male..	Female	Male..	Female
REPRODUCTIVE SYSTEM—Continued.						
Puerperal hemorrhage	....	....	....	....	....	...
Pelvic hematoma	....	....	..	....	...	....
Puerperal insanity	....	....	....	...	....	....
Puerperal emesis	...	....	....	....	...	....
Phlegmasia alba dolens	....	....	...	....	....	....
Pyosalpinx	....	....	....	....	....	....
Salpingitis	....	....	....	.. .	....	....
OSSEOUS AND INTEGUMENTARY SYSTEM						
Abscess multiple	....	. ..	....	....	....	....
Abscess, lumbar	....	....	....	....	....	....
Abscess, mastoid	....	....	....	....	....	....
Abscess of abdomen	....	....	....	...	....	....
Abscess of leg	....	....	....	....	....	....
Abscess of mediastinum	...	....	....	....	....	....
Cyst, sublingual dermoid	....	....	...	....	....	....
Carbuncle of neck	...	....	....	....	....	....
Eczema	....	....	....	....	....	1
Gangrene of leg	....	....	....	....	....	....
Gangrene of umbilical cord	....	....	....	....	....	....
Mastoiditis	....	....	....	....	....	....
Necrosis of sternum and ribs	....	....	....	....	...	....
Pemphigus	....	....	....	....	....	....
Phlegmon of leg	....	....	. ..	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Hospital.		St. Luke's Hospital..		St. Mary's Hospital.		U. S. Marine Hospital ...		Waldeck Hospital.		King's Daughters' Home..		Magdalen Asylum..		Presidio....		St. Mark's Hospital.		Old Ladies' Home....		Other Institutions.. (See note below.)		
Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female			
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a Brown's Hospital.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum..	
	Male ..	Female	Male ..	Female	Male ..	Female
VIOLENT DEATHS						
MISADVENTURE AND NEGLIGENCE						
Anesthesia	....	....	....	....	....	...
Shock following amputation	....	....	....	....	....	....
Shock following celiotomy	....	....	....	....	....	....
Shock following intrapelviotomy	....	2	....	1	....	....
Shock following Caesarean section	....	....	....	....	....	....
Asphyxiation, foreign body in trachea	....	....	....	....	....	....
Asphyxiation by illuminating gas	....	....	....	....	....	....
Asphyxiation, smothered in bed	....	....	....	....	....	...
Burns and scalds	....	....	....	....	....	....
Burns (sat on hot stove)	....	....	....	....	....	....
Crushed by falling gate	....	....	...	....	....	....
Crushed, collision on bay	....	....	....	....	...	....
Crushed by freight	....	....	....	....	....	....
Caving-in of excavation	....	....	....	....	....	....
Drowning	....	....	....	....	....	....
Explosion	....	....	....	....	....	....
Exposure	....	....	....	....	....	....
Fall from building	....	....	....	....	....	....
Fall from ladder	....	....	....	....	....	....
Fall from electric light pole	....	....	....	....	....	....
Fall down stairs	....	....	....	....	....	....
Falls	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Other Institutions (See note below.)		St. Mark's Hospital		Old Ladies' Home		Presidio		Magdalen Asylum		Kings' Daughters' Home		Waldeck Hospital		U. S. Marine Hospital		St. Mary's Hospital		St. Luke's Hospital		St. Joseph's Home		Old People's Home		Mount Zion Hospital	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
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TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male..	Female	Male..	Female	Male..	Female
MISADVENTURE AND NEGLIGENCE—Continued.						
Fall on coal chute	....	....	....	....	....	....
Fall from cable car	....	....	....	....	....	....
Fall from bicycle	....	....	....	....	....	....
Fall from vehicles	....	....	....	....	....	....
Fall down embankment	....	....	....	....	....	....
Fall from rigging of ship	....	....	....	....	....	....
Fall into hold of ship	....	....	....	....	....	....
Fall down elevator shaft	....	....	....	....	....	....
Firearms	....	....	....	....	....	....
Criminal abortion	....	....	....	....	....	....
Killed by electricity	....	....	....	....	....	....
Killed by machinery	....	....	....	....	....	....
Killed by elevators	....	....	....	....	....	....
Killed by falling iron	....	....	....	....	....	....
Killed by falling plank	....	....	....	....	....	....
Killed by railroads	....	....	....	....	....	....
Killed by street cars (electric)	....	....	....	....	....	....
Killed by street cars (cable)	....	....	....	....	....	....
Run over by vehicles	....	....	....	....	....	....
Kicked by cow	....	....	....	....	....	....
Kicked by horse	....	....	....	....	....	....
Thrown from horse	....	....	....	....	....	....
Lead poisoning	....	....	....	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home...		Magdalen Asylum..		Presidio. .		St. Mark's Hospital.		Old Ladies' Home...		Other Institutions.. (See note below.)		
Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male..	Female	Male	Female	Male..	Female			
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a Park Ambulance Station.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male .	Female	Male .	Female	Male .	Female
MISADVENTURE AND NEGLIGENCE—Continued.						
Ptomaine poisoning	....	....	....	....	....	....
Poisons, carbolic acid	....	....	....	....	....	....
Poisons, morphine	....	....	....	....	....	....
Poisons, wine of colchicum	....	....	....	....	....	....
Decomposed and disorganized remains	....	....	....	....	....	....
HOMICIDE						
By blows	....	....	....	....	....	....
By cutting instrument	....	....	....	....	....	....
By firearms	...	....	....	....	....	....
Infanticide	....	....	....	....	....	....
SUICIDE						
By cutting instrument	....	....	....	....	....	....
By charcoal fumes	....	....	....	....	....	....
By drowning	....	....	....	....	....	....
By firearms	....	....	....	....	....	....
By hanging	....	....	....	....	....	....
By illuminating gas	....	....	....	....	....	....
By jumping from building	1	....	....	....	....	....
By carbolic acid	....	....	...	....	....	....
By amylic alcohol	....	....	...	....	....	....
By cebadilla	...	....	....	...	....	....
By cyanide of potassium	....	....	...	....	....	....

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

	Mount Zion Hospital.		Old People's Home.		St. Joseph's Home.		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.		Waldeck Hospital.		Kings' Daughters' Home.		Magdalen Asylum.		Presidio.		St. Mark's Hospital.		Old Ladies' Home.		Other Institutions. (See note below.)		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
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a Brown's Hospital.

TABLE NO. IV

CLASSIFIED REPORT OF DEATHS, ARRANGED

CAUSES OF DEATH.	Maclean Hospital.		McNutt Hospital.		Mount St. Joseph's Asylum.	
	Male.	Female	Male.	Female	Male.	Female
SUICIDE—Continued.						
By hydrocyanic acid	....	....	....	....	....	....
By opium; morphine	....	....	....	....	....	....
By strychnine	....	....	....	....	....	....
Totals	7	13	4	5	124	107

—CONTINUED.

ACCORDING TO LOCALITIES—PUBLIC INSTITUTIONS.

PUBLIC INSTITUTIONS.

Mount Zion Hospital.		Old People's Home...		St. Joseph's Home...		St. Luke's Hospital.		St. Mary's Hospital.		U. S. Marine Hospital.....		Waldeck Hospital.		Kings' Daughters' Home...		Magdalen Asylum..		Presidio....		St. Mark's Hospital.		Old Ladies' Home...		Other institutions.. (See note below.)	
Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male ..	Female	Male .	Female	Male .	Female	Male ..	Female	Male ..	Female
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5	2	8	7	19	8	57	20	96	47	43	1	18	15	6	3	...	4	7	2	4	1	..	4	13	14

TABLE NO. V.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

DURING FISCAL YEAR ENDING JUNE 30, 1898.

CAUSES OF DEATH.	Males	Females	Grand Total	AGES. Under 1 y'r		1 to 2 y'rs.		2 to 3 y'rs.		3 to 4 y'rs.		4 to 5 y'rs.		5 to 10 y'rs.	
				Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
GENERAL DISEASES	**394**	**341**	**735**												
SPECIFIC FEBRILE	99	105	204												
Cerebro-spinal meningitis	14	9	23	7	1	..	2	3	1	..	1	2	..	2	4
Diphtheria	67	72	139	2	1	12	4	6	10	12	12	11	7	24	38
Influenza (La Grippe)	1	2	3	...	...	..	..	..	1	1	..	..	..	...	1
Malarial fevers	1	2	3	...	1	..	..	..	..	..	..	..	1	1	...
Measles	1	..	1	...	...	..	..	..	..	..	..	..	..	1	...
Pertussis	11	14	25	6	7	2	5	3	1	..	..	..	1	...	...
Scarlet fever	2	4	6	..	...	..	1	..	..	1	1	..	..	1	2
Typhoid fever	2	2	4	...	...	..	..	..	..	..	1	..	1	2	...
DIARRHEAL	38	19	57												
Cholera infantum	32	15	47	26	13	5	1	..	1	..	..	1	.	...	...
Cholera morbus	1	1	2	1	1	..	..	..	..	..	..	..	..	..	...
Diarrhea, infantile	4	3	7	3	3	..	..	1	..	..	..	..	..	...	...
Dysentery	1	....	1	1	...	..	..	..	.	..	..	..		...	...
VENEREAL	15	9	24												
Syphilis, congenital	15	9	24	15	8	..	1	..	..	..	..	..	..	...	...
SEPTIC	2	2	4												
Septicemia	....	2	2	...	1	..	..	..	..	..	..	..	1	...	...
Septic endocarditis	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
Septic pericarditis	1	....	1	...	...	..	..	..	..	..	..	..	..	1	...

TABLE NO. V—CONTINUED.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	AGES. Under 1 y'r		1 to 2 y'rs.		2 to 3 y'rs.		3 to 4 y'rs.		4 to 5 y'rs.		5 to 10 y'rs.	
				Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
PARASITIC	1	1	2												
Intestinal worms	1	....	1	...	...	..	..	1	..	..	..	..	..	...	...
Thrush	....	1	1	...	1	..	..	..	..	..	..	..	..	...	...
DIETETIC	117	103	220												
Malnutrition	4	3	7	4	3	..	..	..	..	..	..	..	..	...	...
Inanition	113	100	213	111	98	2	2	..	..	..	..	..	..	...	...
CONSTITUTIONAL	56	57	113												
Anemia, chlorosis	2	1	3	1	...	1	..	..	1	..	..	..	..	...	...
Hemophilia	2	4	6	2	4	..	..	..	..	..	..	..	3	...	..
Leucocythemia	1	....	1	...	...	1	..	..	..	..	..	..	..	...	...
Rickets	...	1	1	...	...	..	..	..	1	..	..	..	..	...	...
Tuberculosis, articular	1	2	3	...	...	..	1	..	..	..	1	..	..	1	...
Tuberculosis, meningeal	24	22	46	5	7	6	5	3	4	2	4	1	.	7	2
Tuberculosis, general	1	1	2	...	...	..	..	..	1	..	..	.	..	1	...
Tuberculosis, miliary	1	....	1	...	...	1	..	..	..	..	..	..	..	...	...
Tuberculosis, peritoneal	8	4	12	3	1	1	1	1	1	1	..	1	..	1	1
Tuberculosis, pulmonary	14	20	34	4	1	2	2	1	3	1	..	1	3	5	11
Tuberculosis, intestinal	2	2	4	...	1	..	1	..	..	..	..	1	..	1	...
DEVELOPMENTAL	66	45	111												
Atelectasis, congenital	15	9	24	15	9	..	..	..	..	..	..	..	..	...	...
Cardiac malformation	8	8	16	8	8	.	..	..	..	..	..	..	..	...	...
Icterus neonatorum	9	1	10	9	1	..	..	..	..	..	..	..	..	...	...

TABLE NO. V—CONTINUED.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	AGES. Under 1 y'r. Male	Under 1 y'r. Female	1 to 2 y'rs. Male	1 to 2 y'rs. Female	2 to 3 y'rs. Male	2 to 3 y'rs. Female	3 to 4 y'rs. Male	3 to 4 y'rs. Female	4 to 5 y'rs. Male	4 to 5 y'rs. Female	5 to 10 y'rs. Male	5 to 10 y'rs. Female
DEVELOPMENTAL—Continued.															
Marasmus, infantile	28	24	52	25	22	3	2	..	..	..	..	..	..	..	..
Dystocia	2	1	3	2	1	..	..	..	..	..	..	..	..	..	..
Spina bifida	1	2	3	1	2	..	..	..	..	..	..	..	..	..	..
Asphyxia neonatorum	2	....	2	2	..	..	..	..	..	..	..	..	..	..	..
Strangulation of umbilical cord	1	....	1	1	..	..	..	..	..	..	..	..	..	..	..
LOCAL DISEASES	**109**	**92**	**201**												
NERVOUS SYSTEM	102	86	188												
Apoplexy, cerebral	2	....	2	2	..	..	..	..	..	..	..	..	..	..	..
Brain, abscess of	....	1	1	..	..	..	1	..	..	..	..	..	..	..	..
Brain, congestion of	1	2	3	1	..	..	..	..	1	..	..	..	..	..	1
Chorea	1	....	1	..	..	..	..	..	..	..	..	..	..	1	..
Convulsions, infantile	40	40	80	31	27	4	11	2	2	..	..	2	..	1	..
Encephalitis, cerebritis	6	3	9	5	..	..	2	1	..	..	1	..	..	..	..
Epilepsy	....	1	1	..	..	..	1	..	..	..	..	..	..	..	..
Hydrocephalus	2	4	6	1	2	..	1	..	..	1	..	..	1	..	..
Laryngismus stridulus	1	....	1	1	..	..	..	..	..	..	..	..	..	..	..
Locomotor ataxia	1	....	1	..	..	1	..	..	..	..	..	..	..	..	..
Meningitis, cerebral	46	34	80	21	19	11	7	5	1	3	2	3	2	3	3
Meningitis, spinal	1	....	1	..	..	..	..	..	..	1	..	..	..	..	..
Myelitis	1	....	1	..	..	..	..	..	..	1	..	..	..	..	..
Sclerosis of spinal cord	....	1	1	..	..	..	..	..	..	..	..	..	..	..	1

TABLE NO. V—CONTINUED.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	AGES. Under 1 y'r		1 to 2 y'rs.		2 to 3 y'rs.		3 to 4 y'rs.		4 to 5 y'rs.		5 to 10 y'rs.	
				Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
CIRCULATORY SYSTEM	6	7	13												
Endocarditis	3	1	4	...	...	..	..	..	1	..	..	1	..	2	...
Heart, valvular disease of	3	5	8	2	2	..	..	..	..	..	..	..	..	1	3
Pericarditis	....	1	1	...	...	..	..	..	..	..	..	..	..	...	1
RESPIRATORY SYSTEM	169	152	321												
Asthma	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
Bronchitis	37	40	77	32	30	1	8	1	2	1	..	1	..	1	...
Broncho-pneumonia	34	43	77	17	22	11	6	..	5	1	1	3	3	2	6
Croup, catarrhal	5	....	5	1	...	..	..	1	..	1	..	..	..	2	...
Laryngitis	7	3	10	...	...	1	1	..	1	1	1	2	..	3	...
Pharyngitis, phlegmonous	1	....	1	...	...	..	..	..	..	..	..	1	..	...	...
Pseudo-diphtheria	1	3	4	...	...	..	..	..	..	..	1	..	..	1	2
Pleurisy	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
Purulent pleurisy	2	1	3	...	...	..	..	..	1	1	..	1	..	...	...
Pneumonia	73	56	129	36	36	16	8	8	2	4	1	5	6	4	3
Pulmonary congestion	6	6	12	4	3	1	1	1	..	..	1	..	..	...	1
Lung, gangrene of	1	....	1	...	...	..	..	..	..	..	..	..	..	1	...
DIGESTIVE SYSTEM	109	92	201												
Appendicitis	4	2	6	1	...	..	..	..	..	..	..	..	..	3	2
Enteritis, entero-colitis	59	47	106	55	38	2	3	..	1	..	1	2	1	...	3
Gastric hemorrhage	....	1	1	..	1	..	..	..	..	..	..	..	..	...	...
Gastritis	3	7	10	3	3	..	2			..	..	..	..	...	2
Gastro-enteritis	33	23	56	25	19	3	2	1	..	4	..	..	..	...	2

TABLE NO. V—CONTINUED.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	AGES. Under 1 y'r		1 to 2 y'rs.		2 to 3 y'rs.		3 to 4 y'rs.		4 to 5 y'rs.		5 to 10 y'rs.	
				Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
DIGESTIVE SYSTEM—Continued.															
Hernia, strangulated	1	1	2	1	...	..	1	..	..	.	.	..	..	...	..
Intestines, obstruction of	4	1	5	1	1	..	..	..	..	..	.	..	..	3	...
Intestines, intussusception	2	2	4	1	2	..	..	..	..	..	..	1	..	...	...
Volvulus	....	1	1	...	1	..	..	..	..	..	..	..	..	...	...
Liver, cirrhosis of	....	1	1	...	...	..	1	..	..	..	..	..	..	...	...
Liver, inflammation of	1	1	2	...	...	..	..	..	..	..	..	..	..	1	1
Gangrenous stomatitis	1	1	2	...	...	..	..	1	1	..	..	..	..	...	..
Peritonitis	1	3	4	1	2	..	..	..	..	..	..	.	..	...	1
Typhlitis	....	1	1	...	...	..	1	..	..	..	..	..	..	...	...
ABSORBENT AND GLANDULAR SYSTEM	2	4	6												
Tonsilitis	1	4	5	...	1	..	..	..	..	..	1	..	..	1	2
Tonsilitis, suppurative	1	....	1	...	...	..	..	..	..	..	..	..	..	1	...
URINARY SYSTEM	11	10	21												
Nephritis, acute	8	6	14	6	4	..	..	..	..	..	..	..	1	2	1
Nephritis, chronic	3	2	5	1	...	1	..	1	1	..	..	..	..	...	1
Uremia (cause not stated)	....	1	1	...	...	..	..	..	..	..	..	..	..	...	1
Pyelitis	....	1	1	...	. .	..	..	..	..	..	..	..	..	...	1
OSSEOUS AND INTEGUMENTARY SYSTEM	3	1	4		.										
Abscess, mastoid	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
Cyst, sublingual dermoid	1	....	1	1	...	..	..	.	..	..	..	..	..	...	...

TABLE NO. V—CONTINUED.

CLASSIFIED REPORT OF DEATHS OF CHILDREN UNDER 10 YEARS OF AGE—BY AGES AND SEX.

CAUSES OF DEATH.	Total Males	Total Females	Grand Total	AGES. Under 1 y'r. Male	Under 1 y'r. Female	1 to 2 y'rs. Male	1 to 2 y'rs. Female	2 to 3 y'rs. Male	2 to 3 y'rs. Female	3 to 4 y'rs. Male	3 to 4 y'rs. Female	4 to 5 y'rs. Male	4 to 5 y'rs. Female	5 to 10 y'rs. Male	5 to 10 y'rs. Female
OSSEOUS AND INTEGUMENTARY SYSTEM—Continued.															
Eczema	....	1	1	...	1	..	..	..	..	..	..	..	..	...	...
Gangrene of umbilical cord	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
VIOLENT DEATHS	**20**	**9**	**29**												
MISADVENTURE AND NEGLIGENCE	19	9	28												
Shock following celiotomy	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
Asphyxiation, foreign body in trachea	3	1	4	...	...	1	1	..	..	..	..	..	..	...	...
Asphyxiation, smothered in bed	1	1	2	1	1	..	..	..	..	..	..	..	..	...	...
Burns and scalds	3	2	5	...	...	1	..	..	..	1	..	..	1	1	1
Drowning	1	....	1	...	...	1	..	..	..	..	..	..	..	...	...
Fall from building	...	1	1	...	...	..	..	..	1	..	..	..	..	...	...
Falls	2	1	2	...	...	..	..	..	..	..	..	..	..	2	1
Fall from vehicles	1	....	1	...	...	..	..	..	..	1	.	..	..	...	...
By firearms	....	1	1	...	...	..	..	..	..	..	..	..	..	...	1
Killed by street cars (electric)	2	....	2	...	...	..	..	2	..	..	..	..	..	...	...
Killed by street cars (cable)	1	....	1	...	...	..	..	.	..	..	..	1	..	...	...
Killed by vehicles	3	2	5	...	...	..	.	..	..	..	1	1	..	2	1
Ptomaine poisoning	1	....	1	1	...	..	..	..	..	..	..	..	..	...	...
HOMICIDE	1	....	1												
Infanticide	1	....	1	1	...	..	..	.	..	..	..	..	..	...	..
TOTALS	**817**	**701**	**1518**	515	410	91	86	43	45	40	30	42	29	86	101

TABLE NO. VI.

MONTHLY DISTRIBUTION OF MORTALITY BY WARDS AND PUBLIC INSTITUTIONS.

LOCALITIES.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
First Ward	146	6	11	9	12	15	16	16	13	19	9	6	14
Second Ward	360	24	9	23	21	24	32	37	37	42	40	44	27
Third Ward	21	3	1	1	3	1	....	3	....	4	2	3	....
Fourth Ward	424	38	37	43	32	39	28	26	44	46	38	34	19
Fifth Ward	18	1	2	3	3	2	1	4	....	1	....	....	1
Sixth Ward	231	14	16	21	16	20	27	20	17	26	18	25	11
Seventh Ward	124	13	6	12	8	15	11	10	11	12	14	5	7
Eighth Ward	295	14	19	18	29	31	33	39	25	24	29	18	16
Ninth Ward	221	19	14	17	20	14	21	29	11	18	24	23	11
Tenth Ward	466	33	33	29	29	54	29	49	38	48	44	40	40
Eleventh Ward	1447	99	96	94	136	132	128	156	122	146	126	112	100
Twelfth Ward	941	62	48	60	64	85	78	110	88	106	78	97	65
En Route to Public Institutions	23	1	3	....	1	3	3	3	3	3	3	....	....
Bay of San Francisco	38	2	3	3	2	3	5	5	4	2	5	2	2
Ocean Beach	4	1	....	....	....	....	1	....	1	....	1	....	....
City and County Hospital	569	44	34	4	42	48	52	51	46	68	56	36	471
City and County Alms House	145	8	11	6	10	12	16	16	12	16	17	13	8
City Receiving Hospital	68	5	9	8	7	3	4	8	5	10	3	3	3
Harbor Ambulance Station	30	5	3	1	1	4	2	2	1	4	1	2	4
Park Ambulance Station	1	....	....	....	....	....	....	....	....	....	1	....	....
Twenty-sixth Street Hospital	3	....	....	1	1	....	1	....	....	....	....	....	....
City Prisons	4	2	....	....	....	....	....	1	1	....	....	....	....
County Jails	4	....	....	....	1	1	....	....	2	....	....	....	....
Brown's Hospital	4	....	....	....	....	....	....	1	1	1	....	1	....
California Women's Hospital	15	2	1	4	2	....	....	2	1	....	....	2	1
Children's Hospital	48	1	8	2	5	4	5	2	6	3	2	6	4
Florence Crittenden Home	2	2	....	....	....	....	....	....	....	....	....	....	....
French Hospital	78	4	6	5	5	5	6	7	5	9	6	10	10

TABLE No. VI—CONTINUED.

INSTITUTIONS.	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
German Hospital	105	12	4	8	7	12	9	8	8	12	10	4	11
Girls' Directory	3	....	....	....	....	....	....	1	....	....	....	1	1
Homeopathic Sanatorium	11	1	1	2	....	1	2	..	....	2	....	2	....
Kings Daughters' Home	9	....	2	1	....	....	1	....	...	2	....	1	2
Ladies' Protective and Relief Society	1	...	....	...	1	....	....	....	....	....	...	...	....
Little Sisters' Infant Shelter	1	....	....	....	....	....	....	1	....	....	....	....	....
Lane Hospital	44	4	5	4	2	3	5	2	7	2	4	4	2
Magdalen Asylum	4	....	....	....	....	....	1	1	1	1	....	....	....
Maclean Hospital	20	1	3	1	3	1	1	2	....	3	1	2	2
McNutt Hospital	9	...	....	....	...	....	....	2	1	1	3	1	1
Mount Zion Hospital	7	1	....	....	....	1	1	1	1	...	1	1	....
Mount St. Joseph's Infant Asylum	231	24	18	20	18	18	19	17	12	21	21	27	16
Our Lady's Home	4	....	1	....	....	....	....	....	....	....	....	....	3
Old Ladies' Home	4	..	1	....	1	....	1	...	....	....	1	....	....
Old People's Home	15	....	2	....	....	2	1	3	....	2	....	4	1
Protestant Episcopal Old Ladies' Home	2	....	....	....	...	....	....	....	....	1	....	1	....
Roman Catholic Orphan Asylum	2	....	....	1	1	....	....	....	....	....	....	....	....
St. Joseph's Home	27	2	3	3	....	3	1	1	2	4	3	2	3
St. Luke's Hospital	77	6	6	7	7	8	6	5	6	8	8	7	3
St. Mark's Hospital	5	1	....	...	....	....	1	....	....	2	....	1	....
St. Mary's Hospital	143	13	5	9	7	17	12	14	10	18	19	9	10
Waldeck Hospital	33	1	3	4	3	1	2	5	1	1	2	2	8
U. S. Marine Hospital	44	4	2	3	...	3	4	7	7	2	2	6	4
U. S. Reservation, Presidio	9	....	....	....	....	1	2	1	....	2	....	1	2
U. S. Reservation, Fort Mason	2	....	....	....	....	....	....	1	....	1	....	....	....
U. S. Volunteer Hospital, Camp Merritt	2	....	....	....	....	....	....	....	....	....	....	....	2
Totals	6544	473	426	468	500	586	568	659	560	693	592	558	461

TABLE NO. VII.

RECORD OF NATIVITIES OF DECEDENTS.

	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
PACIFIC COAST.													
California	2237	171	151	152	191	188	172	222	193	218	202	199	178
Nevada	16	....	....	1	5	4	1	1	....	1	1	2	...
Oregon	12	....	2	1	....	2	1	1	1	2	1	.. .	1
Washington	10	1	....	....	....	....	1	3	2	....	1	2	....
Totals	2275	172	153	154	196	194	175	227	196	221	205	203	179
OTHER STATES.													
Alabama	3	....	....	1	....	1	....	1	....	....	....	....	....
Arkansas	5	1	1	1	....	....	....	1	....	....	....	1	....
Colorado	2	....	....	....	1	..	....	....	....	1	....	....	....
Connecticut	27	....	....	3	2	4	1	2	4	4	2	2	3
Delaware	2	....	....	....	....	1	....	..	....	....	....	1	....
District of Columbia	5	...	....	....	1	1	..	....	1	....	....	....	2
Florida	2	...	....	....	....	....	....	1	....	1	..	....	....
Georgia	4	....	1	1	....	....	1	....	1	....	....	....	....
Idaho	2	....	....	....	....	....	....	....	1	....	....	....	1
Illinois	49	2	3	8	4	7	7	5	4	4	2	1	2
Indiana	18	1	2	1	1	....	....	5	3	2	2	1	....
Iowa	19	2	1	4	2	....	5	....	....	3	1	1	....
Kansas	8	....	....	....	1	....	3	1	...	2	....	....	1
Kentucky	25	1	....	4	2	2	4	3	....	3	1	2	3
Louisiana	26	1	3	2	2	4	....	5	1	1	3	....	4
Maine	73	8	8	2	4	8	11	5	9	7	3	4	7
Maryland	18	1	2	2	....	2	2	4	2	1	...	2	....

TABLE NO. VII—CONTINUED.

RECORD OF NATIVITIES OF DECEDENTS.

	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Massachusetts	142	7	9	9	9	15	15	13	17	12	19	11	6
Michigan	23	....	2	1	3	2	3	2	5	2	1	1	1
Minnesota	9	....	....	1	....	....	2	1	1	....	....	2	2
Mississippi	4	....	....	....	....	1	....	1	....	1	1	....	....
Missouri	30	8	2	1	2	2	3	2	1	3	1	2	3
Montana	2	....	....	....	....	....	....	....	1	....	1	....	....
Nebraska	7	....	1	1	1	1	1	1	....	....	1	....	....
New Hampshire	19	1	2	1	1	3	1	3	1	3	1	1	1
New Jersey	32	1	1	2	4	6	....	5	2	1	4	5	1
New Mexico	1	....	....	....	....	....	....	....	....	....	....	1	....
New York	291	13	15	24	19	26	25	38	25	33	26	32	15
North Carolina	3	....	....	....	....	....	1	....	....	1	....	1	....
Ohio	66	5	9	4	6	8	8	4	3	1	5	7	6
Oklahoma	1	....	....	....	....	....	....	1	....	....	....	....	....
Pennsylvania	85	4	4	8	8	7	6	7	6	10	7	9	9
Rhode Island	13	....	....	....	2	1	2	2	1	1	1	3	....
South Carolina	9	1	1	1	....	....	1	....	2	1	....	1	1
Tennessee	11	2	....	....	....	3	2	....	....	3	....	....	1
Texas	12	1	1	1	1	1	....	....	2	....	2	2	1
Utah	2	....	....	....	....	....	....	....	....	1	....	1	....
Vermont	18	3	2	1	....	2	....	2	3	3	....	2	....
Virginia	32	4	2	4	3	3	1	3	1	5	3	1	2
West Virginia	6	1	2	....	....	....	....	....	....	....	1	1	1
Wisconsin	19	....	1	....	3	....	2	3	....	3	3	3	1
Wyoming	1	....	....	....	....	....	....	1	....	....	....	....	....
Unascertained	12	1	....	1	....	1	....	....	1	1	3	1	3
Totals	1138	66	75	89	82	112	107	122	98	114	94	102	77

TABLE NO. VII—CONTINUED.

RECORD OF NATIVITIES OF DECEDENTS.

	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
FOREIGN.													
Algiers	1	....	....	....	....	....	....	....	1	....	....	....	....
Australia	16	....	....	2	2	1	1	....	2	4	2	1	1
Austria	43	4	4	1	3	2	4	4	4	4	6	4	3
Azores	7	....	1	....	....	....	....	....	1	1	1	1	2
Argentine Republic	1	....	....	....	....	....	....	....	....	1	....	....	....
Belgium	7	1	....	1	....	1	....	1	....	1	1	1	....
Canada	109	10	5	5	7	13	12	13	8	8	8	11	9
Cape Colony	1	....	....	....	....	....	....	....	1	....	....	....	1
Cape Verde Islands	7	....	1	1	...	2	2	....	....	....	...	....	....
Chile	3	...	1	1	1	....	....	....	....	....	....	....	...
China	373	35	29	35	30	35	22	28	30	46	38	26	19
Denmark	28	1	....	3	2	2	3	4	2	3	3	4	1
East Indies	2	....	....	....	....	....	1	....	...	....	....	1	....
Ecuador	1	....	....	....	....	....	....	....	....	1	....	....	....
England	218	15	15	13	21	16	29	25	13	26	18	20	7
Finland	15	2	1	1	1	2	....	3	....	2	1	1	1
France	135	6	15	11	9	7	14	18	13	19	9	8	6
Germany	579	39	40	39	41	56	56	61	48	58	60	37	44
Greece	7	1	....	....	....	1	....	....	1	....	2	2	....
Guatemala	2	....	....	....	....	....	1	....	1	...	...	....	...
Hawaii	3	....	....	....	1	1	..	1	....	....	....	....	....
Holland	5	....	....	....	....	....	1	....	....	1	1	2	...
Hungary	8	1	....	....	....	1	....	..	3	2	....	1	....
Ireland	958	80	48	67	60	96	92	88	74	114	88	83	68
Isle of Man	2	....	....	2	....	....	....	....	..	....	....	....	....
Island of St. Helena	2	...	....	....	1	....	1	....	...	...	...	..	....
Italy	121	7	4	13	9	10	8	16	11	15	15	10	3

TABLE NO. VII—CONCLUDED.

RECORD OF NATIVITIES OF DECEDENTS.

	Total	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
Japan	22	....	2	1	2	1	2	3	2	2	....	2	5
Malta	1	....	....	....	..	....	....	....	1	....	.	...	....
Mexico	45	7	1	1	2	4	3	4	5	8	4	1	5
Norway	39	2	4	4	4	4	2	4	6	4	2	1	2
Peru	3	....	....	....	....	1	....	....	1	....	....	1	....
Philippine Islands	3	....	....	....	....	....	....	....	....	....	....	1	2
Poland	18	2	4	1	2	1	1	....	3	2	....	1	1
Portugal	15	1	2	2	3	....	1	1	3	....	2	...	....
Russia	15	....	1	2	...	..	1	4	3	..	3	....	1
Scotland	85	4	3	4	6	9	7	7	11	10	10	9	5
Spain	4	....	....	1	....	....	....	....	....	1	2	....	....
Sweden	67	6	5	3	4	5	6	7	3	8	6	4	10
Switzerland	54	5	5	6	5	2	5	6	5	3	2	9	1
Syria	1	...	..	....	....	....	....	..	....	1	....	....	.. .
Turkey	2	....	...	....	....	....	....	....	....	1	...	1	....
U. S. of Colombia	1	....	....	1	...	....	..	....	....	....	...	....	....
Wales	8	1	....	....	....	2	....	1	1	....	2	1	....
West Indies	10	1	...	....	....	....	3	2	1	1	....	2	....
At Sea	1	....	....	..	....	...	....	....	....	....	1	....	....
Unascertained	83	4	7	4	6	5	8	9	8	11	6	7	8
Totals	3131	235	198	225	222	280	286	310	266	358	293	253	205
RECAPITULATION.													
Pacific Coast	2275	172	153	154	196	194	175	227	196	221	205	203	179
Other States	1138	66	75	89	82	112	107	122	98	114	94	103	77
Foreign	3048	231	191	221	216	275	278	301	258	347	287	246	197
Unascertained	83	4	7	4	6	5	8	9	8	11	6	7	8
Totals	6544	473	426	468	500	586	568	659	560	693	592	558	461

TABLE NO. VIII.

RECORD OF AGES OF DECEDENTS.

AGES.	Totals.....	1897.						1898.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Under 1 year of age....	925	77	74	86	80	64	88	69	75	75	71	78	73
From 1 to 2 years.....	177	23	7	8	10	9	18	14	18	15	20	22	13
From 2 to 3 years.....	88	6	8	6	6	4	8	11	7	15	6	6	5
From 3 to 4 years.....	70	1	2	3	9	6	5	16	5	6	6	6	5
From 4 to 5 years.....	71	2	6	3	5	9	6	7	8	2	8	3	12
Total under 5 years	1331	122	100	94	116	108	101	136	107	113	111	115	108
From 5 to 10 years.....	187	7	7	13	18	17	7	24	17	21	23	23	10
From 10 to 20 years....	194	13	19	13	17	16	14	23	8	21	15	20	15
From 20 to 30 years....	681	41	37	47	49	62	69	57	61	82	56	60	60
From 30 to 40 years.....	795	59	50	57	59	72	71	68	63	87	81	68	60
From 40 to 50 years....	858	70	54	64	69	78	71	90	66	90	74	73	59
From 50 to 60 years....	828	56	59	58	60	73	76	89	81	81	64	78	50
From 60 to 70 years....	869	56	54	63	53	81	80	88	76	103	98	64	53
From 70 to 80 years....	580	36	30	42	47	55	57	62	60	69	51	37	34
From 80 to 90 years....	189	13	12	15	10	19	19	19	19	22	15	16	10
From 90 to 100 years...	24	....	2	....	2	4	3	3	....	3	3	3	1
Over 100 years.....	2	....	....	1	....	1	....	....	....	....	....	....	....
Unascertained.....	9	....	2	1	....	....	....	....	2	1	1	1	1
Totals.....	6544	473	426	468	500	586	568	659	560	693	592	558	461

TABLE NO. IX.

STILL-BIRTHS REGISTERED DURING FISCAL YEAR, 1897-98.

	Males....	Females....	Total....		Males....	Females....	Total....
1897—July.....	13	14	27	1898—January.....	17	5	22
August.....	18	13	31	February.....	15	11	26
September.....	11	19	30	March.....	17	9	26
October.....	21	12	33	April.....	11	10	21
November.....	11	7	18	May.....	13	13	26
December.....	16	7	23	June.....	20	12	32
				Totals.....	183	132	315

TABLE

RECORD OF DECEDENTS OVER NINETY YEARS

DATE.	NAME.	SEX.	RACE.
1897—August 14	Mrs. Lois C. Baldwin.	Female	Caucasian
August 31	Bridget Nunan	Female	Caucasian
September 27	James Conroy	Male	Caucasian
October 3	Katherine A. Wetjen	Female	Caucasian
October 6	Charles McCarthy	Male	Caucasian
November 3	Baruch Levy	Male	Caucasian
November 7	Lucy Evans	Female	African
November 21	Mary Polack	Female	Caucasian
November 24	Marguerite Girod	Female	Caucasian
November 28	Samuel Loewenwald	Male	Caucasian
December 5	Giovanni Cuneo	Male	Caucasian
December 6	Raphael Lande	Male	Caucasian
December 19	Ellen Horrigan	Female	Caucasian
1898—January 4	Doris Delling	Female	Caucasian
January 9	Bridget Quigley	Female	Caucasian
January 20	Samuel Neas	Male	Caucasian
March 1	Jeremiah Root	Male	Caucasian
March 9	Harriett Corbett	Female	Caucasian
March 10	Elvira W. Hobbs	Female	Caucasian
April 11	Sophie Deveaux	Female	Caucasian
April 18	Mary Adams	Female	Caucasian
April 25	J. C. McCormick	Male	Caucasian
May 8	Margaret Hayes	Female	Caucasian
May 15	Joseph D. Pierson	Male	Caucasian
May 21	Jane Netterfield	Female	Caucasian
June 7	Thomas Byrne	Male	Caucasian

No. X.

OF AGE, DURING FISCAL YEAR, 1897-98.

AGE.			NATIVITY.	SOCIAL RELATION.	CAUSE OF DEATH.
Years...	Months...	Days...			
92	10	20	Massachusetts	Widowed	Senile debility.
90	....	....	Ireland	Widowed	Senility.
102	9	....	Ireland	Widowed	Senility.
91	7	....	Germany	Widowed	Bronchitis.
91	1	19	Ireland	Married	Senility.
90	....	....	Germany	Married	Senile marasmus.
101	....	....	Virginia	Widowed	Senility.
90	....	....	New York	Widowed	Carcinoma uteri.
96	8	....	France	Widowed	Inanition.
90	....	....	Germany	Widowed	Endocarditis.
92	2	....	Italy	Widowed	Senility.
90	....	....	Germany	Married	Fall down stairs.
94	....	....	Ireland	Widowed	Tuberculosis pulmonal.
90	2	....	Germany	Widowed	Arterio-sclerosis.
94	....	....	Ireland	Widowed	Fall.
93	....	....	Germany	Widowed	Senility.
97	....	...	New York	Widowed	Valv. disease of heart.
92	....	...	Switzerland	Widowed	Senility.
90	3	23	Maine	Widowed	Senility.
97	....	....	Canada	Widowed	Senility.
93	....	....	Germany	Unascertained	Senility.
90	...	....	Scotland	Widowed	Senility.
90	....	...	Ireland	Widowed	Fall.
91	....	....	New Jersey	Widowed	Senile marasmus.
90	....	....	Ireland	Married	Senility.
90	....	....	Ireland	Widowed	Valv. disease of heart.

TABLE NO. XI.

TWENTY-SEVEN PRINCIPAL CAUSES OF DEATH, ARRANGED ACCORDING TO SEX AND RACE, TOGETHER WITH THE PERCENTAGE TO TOTAL MORTALITY.

CAUSE OF DEATH.	Male.....	Female	Total.....	Caucasian.	Mongolian.	African....	Percentage to total mortality
Tuberculosis (all varieties)...	732	392	1124	953	159	12	17.17
Heart, diseases of.....	444	230	674	625	42	7	10.29
Pneumonia (a).....	366	289	655	623	24	8	10.
Brain, diseases of.....	289	196	485	482	2	1	7.41
Carcinoma (all varieties) (b).	182	191	373	342	30	1	5.07
Nephritis (all varieties).....	184	105	289	253	33	3	4.42
Enteritis and Gastritis (c)...	125	120	245	231	12	2	3.74
Inanition.....	118	107	225	210	15	....	3.44
Senility (old age).....	121	89	210	186	21	3	3.21
Bronchitis.....	86	93	179	170	9	...	2.74
Liver, diseases of.....	120	40	160	114	43	3	2.44
Diphtheria.....	76	78	154	144	10	....	2.35
Septic diseases (d).....	39	56	95	92	3	.. .	1.45
Convulsions, infantile.....	40	40	80	77	2	1	1.22
Diarrheal diseases.....	44	24	68	67	1	....	1.39
Intestines, diseases of (e)....	31	31	62	60	2	....	.95
Typhoid fever.....	37	20	57	54	3	....	.87
Marasmus, infantile.....	28	24	52	45	7	....	.80
Alcoholism and morphinism.	37	13	50	50	.....	....	.75
Pulmonary congestion.....	31	12	43	41	2	....	.64
Reproductive system, diseases of.....	.....	42	42	42	.. ...	....	.64
Paralysis (f).....	24	13	37	37	.....	....	.56
Asthma.....	21	14	35	35	.....	....	.53
Peritonitis.....	17	17	34	33	1	....	.52
Cerebro-spinal meningitis....	18	12	30	30	.....	....	.46
Appendicitis.....	22	6	28	28	. ....	....	.44
Whooping-cough.....	11	14	25	25	.....	....	.37

NOTE.—(a) Including broncho-pneumonia. (b) Including sarcoma. (c) Including entero-colitis and gastro-enteritis (d) Including puerperal septicemia. (e) Strangulated hernia, intussusception of intestines, obstruction of intestines and volvulus. (f) Exclusive of cerebral apoplexy.

TABLE NO. XII.

MONTHLY DISTRIBUTION OF MORTALITY, FOR TWENTY-FIVE YEARS, ARRANGED ACCORDING TO SEX AND RACE.

FISCAL YEARS.	Male	Female	Total	Caucasian	Mongolian	African	1897. July	August	September	October	November	December	1898. January	February	March	April	May	June
1873–74	2603	1410	4013	3486	465	62	331	294	308	330	338	425	391	300	363	289	292	343
1874–75	2601	1562	4163	3653	453	57	366	337	321	379	320	333	349	310	369	373	347	359
1875–76	2978	1813	4791	4126	611	54	371	378	324	408	438	410	405	387	364	347	308	561
1876–77	3895	2275	6170	5499	615	56	507	477	548	526	542	607	641	496	511	464	444	407
1877–78	3111	1866	4977	4384	527	66	417	394	434	433	401	463	457	397	411	425	377	398
1878–79	2865	1628	4493	3904	523	66	375	344	384	395	399	438	463	370	325	339	370	321
1879–80	2767	1573	4340	3828	467	45	335	313	377	405	341	352	393	363	422	405	316	318
1880–81	2654	1633	4287	3768	479	40	343	373	346	350	380	340	370	314	351	319	349	352
1881–82	3091	1917	5008	4434	527	47	312	317	324	354	392	424	518	509	584	401	465	408
1882–83	3156	1832	4988	4392	558	38	419	420	414	400	419	462	440	399	449	385	398	385
1883–84	3114	1886	5000	4464	502	34	470	366	435	391	392	419	432	443	414	395	457	386
1884–85	3289	1999	5288	4771	470	47	452	369	364	380	379	440	438	468	502	468	512	516
1885–86	3279	2043	5322	4821	462	39	458	445	415	432	421	521	519	382	479	418	435	397
1886–87	3312	2047	5359	4826	488	45	437	408	394	425	452	491	522	451	445	450	475	469
1887–88	3890	2146	6036	5486	530	20	459	409	427	486	534	582	650	517	488	501	504	479
1888–89	3601	2128	5729	5115	559	55	519	478	425	460	562	473	517	484	479	478	456	398
1889–90	4062	2316	6378	5732	608	38	443	408	453	507	479	482	798	551	600	562	551	544
1890–91	4154	2496	6650	6114	512	24	600	549	460	540	545	580	612	574	603	564	530	495
1891–92	4163	2748	6911	6471	421	19	580	550	465	554	548	800	700	593	579	486	530	526
1892–93	3784	2277	6061	5621	414	26	580	450	468	452	540	565	567	478	529	466	514	452
1893–94	3769	2291	6060	5613	417	30	489	440	468	488	525	503	607	498	565	546	490	441
1894–95	3697	2362	6059	5614	389	56	489	527	494	518	522	522	547	493	609	469	426	443
1895–96	3601	2365	5966	5453	445	68	539	438	460	480	496	514	493	483	528	497	538	500
1896–97	3769	2381	6150	5632	462	56	505	454	466	506	463	603	613	551	560	478	465	486
1897–98	3938	2606	6544	6042	454	48	473	426	468	500	586	568	559	560	693	592	458	461

TABLE NO. XIII.

ESTIMATED POPULATION, DEATHS AND DEATH RATE PER 1000, FOR TWENTY-FIVE YEARS.

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.			DEATH RATE PER 1,000.
		Male.	Female.	Total.	
1873-74	*200,770	2,603	1,410	4,013	19.98
1874-75	*230,132	2,601	1,562	4,163	18.09
1875-78	*272,345	2,978	1,813	4,791	17.59
1876-77	*300,000	3,895	2,275	6,170	20.54
1877-78	*300,000	3,111	1,866	4,977	16.59
1878-79	*300,000	2,865	1,628	4,493	14.75
1879-80	*305,000	2,767	1,573	4,340	18.50
1880-81	†234,520	2,654	1,633	4,287	18.27
1881-82	†234,520	3 091	1,917	5,008	21 34
1882-83	†250,000	3,156	1,832	4,988	19.92
1883-84	†270,000	,114	1,886	5,000	18 47
1884-85	†270,000	3,289	1,999	5,288	19.58
1885-86	†280,000	3,279	2,043	5,322	19.00
1886-87	†300,000	3,312	2,047	5,359	17.86
1887-88	†330,000	3,890	2,146	6,036	18.27
1888-89	†330,000	3,601	2 128	5,729	17.36
1889-90	†300,000	4,062	2,316	6,378	21.26
1890-91	†330,000	4,154	2,496	6,650	20.15
1891-92	†330,000	4,163	2,748	6,911	20.94
1892-93	†330,000	3,784	2,277	6.061	18.36
1893-94	†330,000	3,769	2,291	6,060	18.36
1894-95	†330,000	3,697	2,362	6,059	18.36
1895-96	†360,000	3,601	2,365	5,966	18.07
1896-97	†360,000	3,769	2,381	6,150	17.08
1897-98	†360,000	3,938	2,606	6,544	18 18

*According to Langley's City Directory.
†Estimated.

TABLE NO. XIV.

ESTIMATED POPULATION OF MONGOLIANS, WITH DEATHS BY SEXES AND DEATH RATE PER 1000, FOR TWENTY-FIVE YEARS

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.			DEATH RATE PER 1,000.
		Male.	Female.	Total.	
1873-74	*14,500	413	52	465	32.06
1874-75	*19,000	398	55	453	23.84
1875-76	30,000	548	61	609	20.30
1876-77	*30,000	530	85	615	20.15
1877-78	*30,000	473	54	527	17.56
1878-79	*30,000	448	75	523	17.42
1879-80	†22,000	386	81	467	21.02
1880-81	†22,000	411	68	479	21.77
1881-82	†22,000	461	66	527	23.09
1882-83	*22,000	507	51	558	25.36
1883-84	*22,000	448	54	502	22.81
1884-85	*22,000	414	56	470	21.38
1885-86	*22,000	408	54	462	21.05
1886-87	*22,000	444	44	488	22.18
1887-88	*30,000	‡	‡	530	17.66
1888-89	*30,000	‡	‡	559	18.63
1889-90	*30,000	‡	‡	608	20.06
1890-91	*18,000	‡	†	512	28.44
1891-92	*18,000	‡	‡	421	23.38
1892-93	*18,000	‡	‡	414	23.00
1893-94	*18,000	‡	‡	417	23.10
1894-95	*18,000	‡	‡	389	21.61
1895-96	*18,000	‡	‡	445	24.16
1896-97	*18,000	‡	‡	462	25.66
1897-98	*12,000	397	57	454	37.83

*Estimated.
†U. S. Census returns.
‡Not shown.

TABLE NO. XV.

REPORT OF INTERMENTS FOR FISCAL YEAR ENDING JUNE 30, 1898.

CEMETERY.	Totals	1897.						1898.					
		July	August	September	October	November	December	January	February	March	April	May	June
TO													
City Cemetery	1041	111	94	110	109	118	117	100	100	69	45	34	34
Laurel Hill Cemetery	1041	61	66	61	79	83	86	105	88	116	98	113	85
Calvary Cemetery	1057	85	78	77	84	92	86	105	81	108	97	87	77
Odd Fellows' Cemetery	1032	78	66	73	95	79	92	107	76	103	99	88	76
Masonic Cemetery	317	17	22	24	23	32	26	42	24	22	25	31	29
U. S. Marine Cemetery	30	2	2	2	....	....	3	5	7	....	3	5	1
National Cemetery	61	2	3	2	3	6	10	7	3	5	5	5	10
Holy Cross Cemetery	1307	95	63	86	88	114	106	128	121	155	130	112	109
Mount Olivet Cemetery	30	1	4	1	1	1	1	5	1	7	3	2	3
Cypress Lawn Cemetery	560	40	33	44	49	49	48	59	56	45	56	42	39
Salem Cemetery	75	8	7	5	7	6	5	7	2	14	3	8	3
Home of Peace Cemetery	95	6	7	4	5	12	6	12	13	13	8	5	4
Hills of Eternity Cemetery	101	3	12	5	7	7	11	9	7	6	14	10	10
San Mateo (Chinese) Cemetery	139	....	....	....	....	....	....	....	....	37	45	35	22
To country	540	37	41	44	36	44	50	42	49	66	43	51	37
To Medical Colleges	108	7	7	15	11	12	6	13	12	10	6	5	4
Totals	7534	553	505	553	597	655	653	746	640	776	680	633	543

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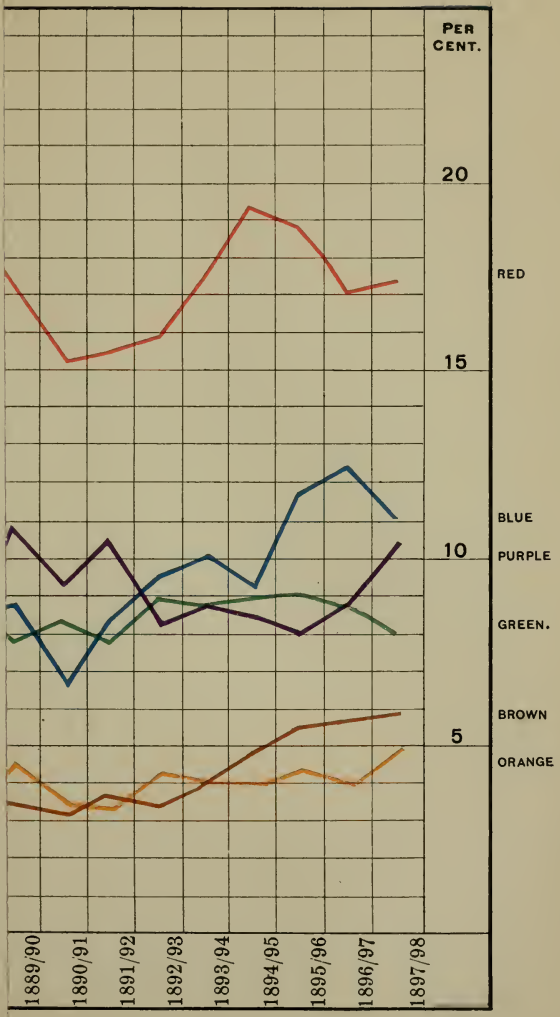
ars — 1865-66 to 1897-98.

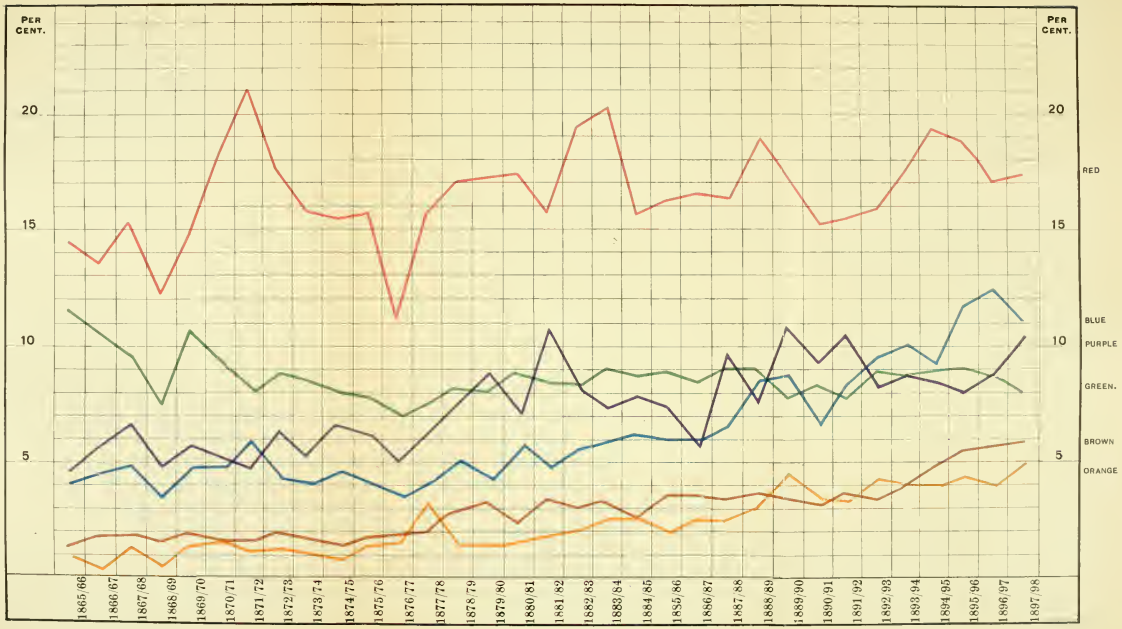


varieties)

Nephritis, (all varieties)

CHART No. 1.

Percentage to the Total Mortality from Six of the Principal Causes of Death for Thirty-three Years—1865-66 to 1897-98.



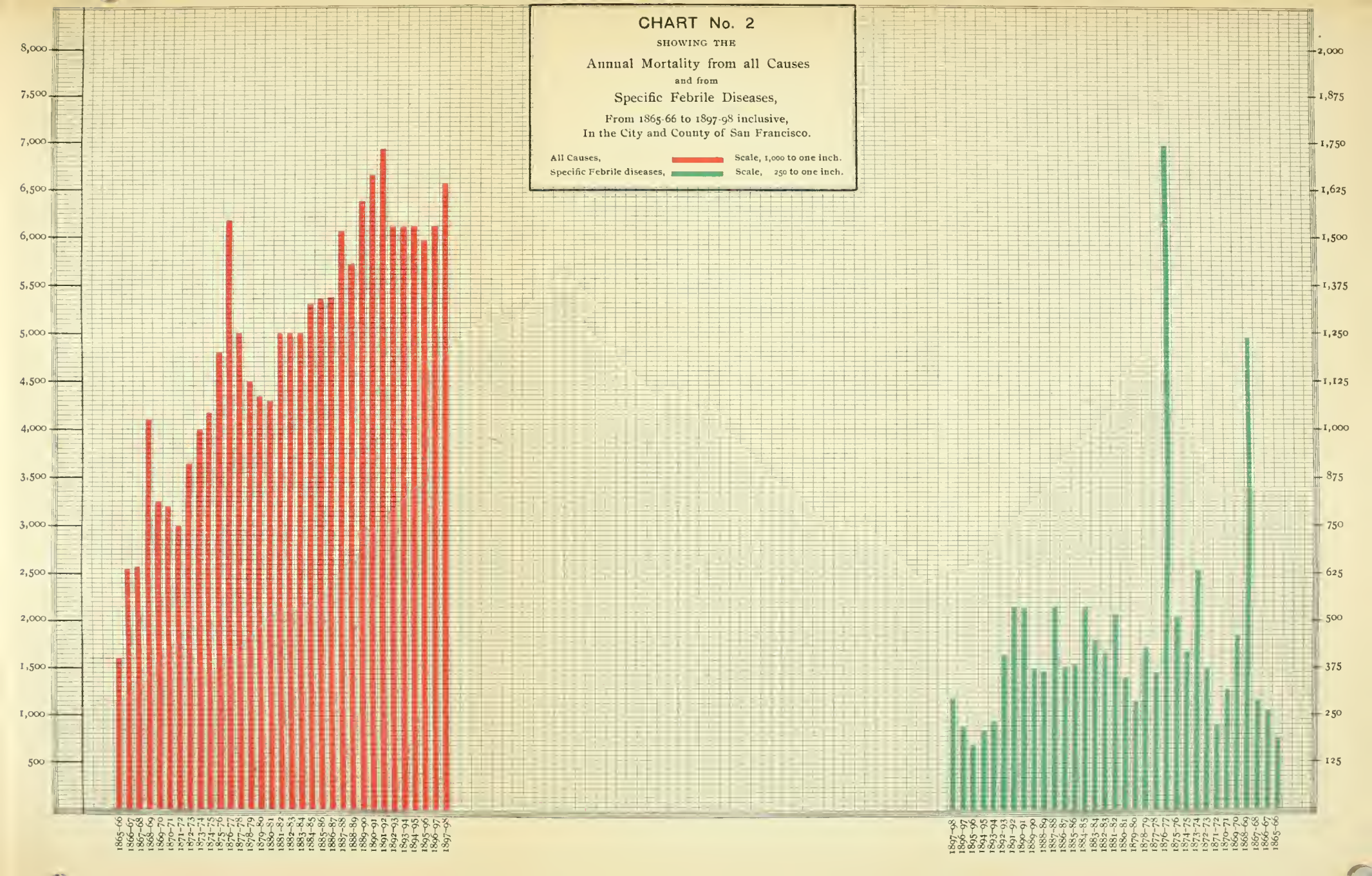


CHART No. 2
SHOWING THE
Annual Mortality from all Causes
and from
Specific Febrile Diseases,
From 1865-66 to 1897-98 inclusive,
In the City and County of San Francisco.
All Causes, Scale, 1,000 to one inch.
Specific Febrile diseases, Scale, 250 to one inch.
8,000
7,500
7,000
6,500
6,000
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
2,000
1,875
1,750
1,625
1,500
1,375
1,250
1,125
1,000
875
750
625
500
375
250
125
1865-66
1866-67
1867-68
1868-69
1869-70
1870-71
1871-72
1872-73
1873-74
1874-75
1875-76
1876-77
1877-78
1878-79
1879-80
1880-81
1881-82
1882-83
1883-84
1884-85
1885-86
1886-87
1887-88
1888-89
1889-90
1890-91
1891-92
1892-93
1893-94
1894-95
1895-96
1896-97
1897-98

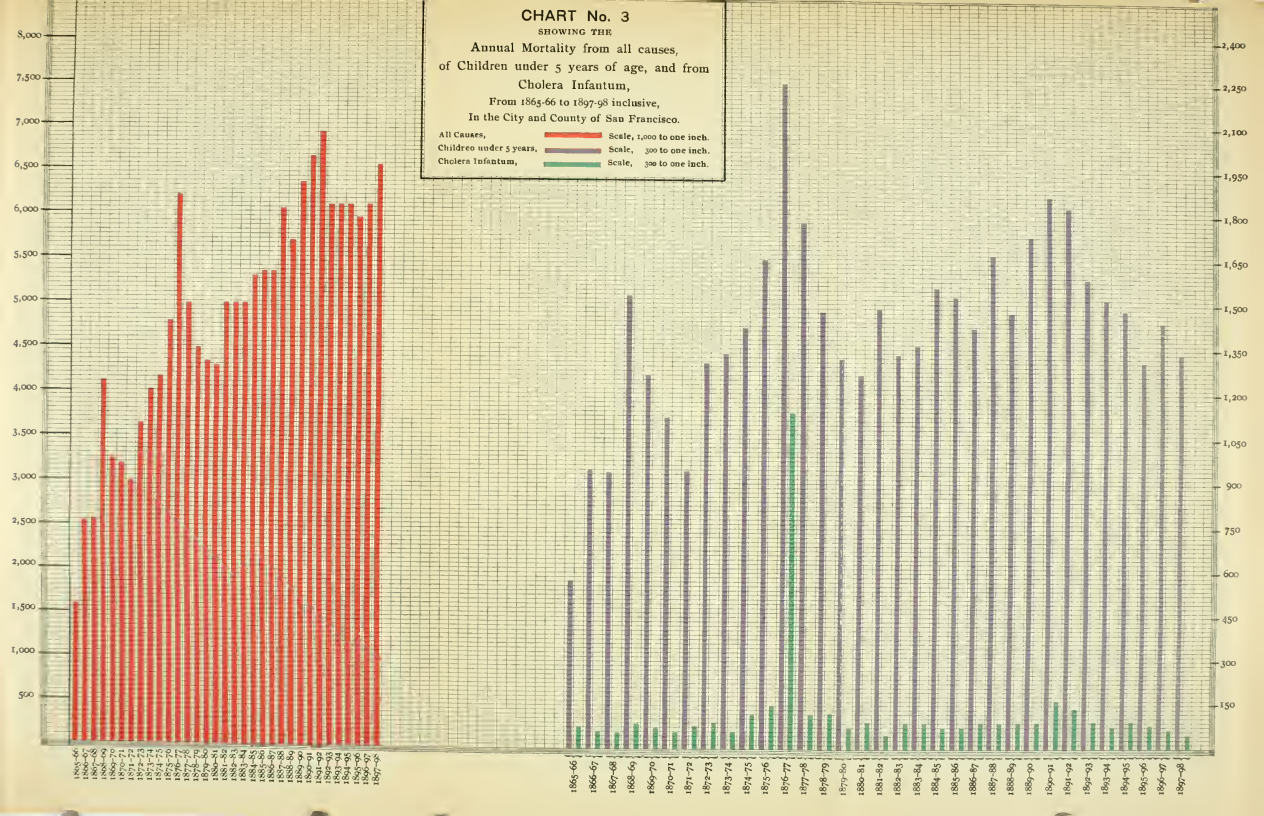


CHART No. 3
SHOWING THE
Annual Mortality from all causes,
of Children under 5 years of age, and from
Cholera Infantum,
From 1865-66 to 1897-98 inclusive,
In the City and County of San Francisco.
All Causes, Scale, 1,000 to one inch.
Children under 5 years, Scale, 300 to one inch.
Cholera Infantum, Scale, 30 to one inch.
8,000
7,500
7,000
6,500
6,000
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
2,400
2,250
2,100
1,950
1,800
1,650
1,500
1,350
1,200
1,050
900
750
600
450
300
150
1865-66
1866-67
1867-68
1868-69
1869-70
1870-71
1871-72
1872-73
1873-74
1874-75
1875-76
1876-77
1877-78
1878-79
1879-80
1880-81
1881-82
1882-83
1883-84
1884-85
1885-86
1886-87
1887-88
1888-89
1889-90
1890-91
1891-92
1892-93
1893-94
1894-95
1895-96
1896-97
1897-98

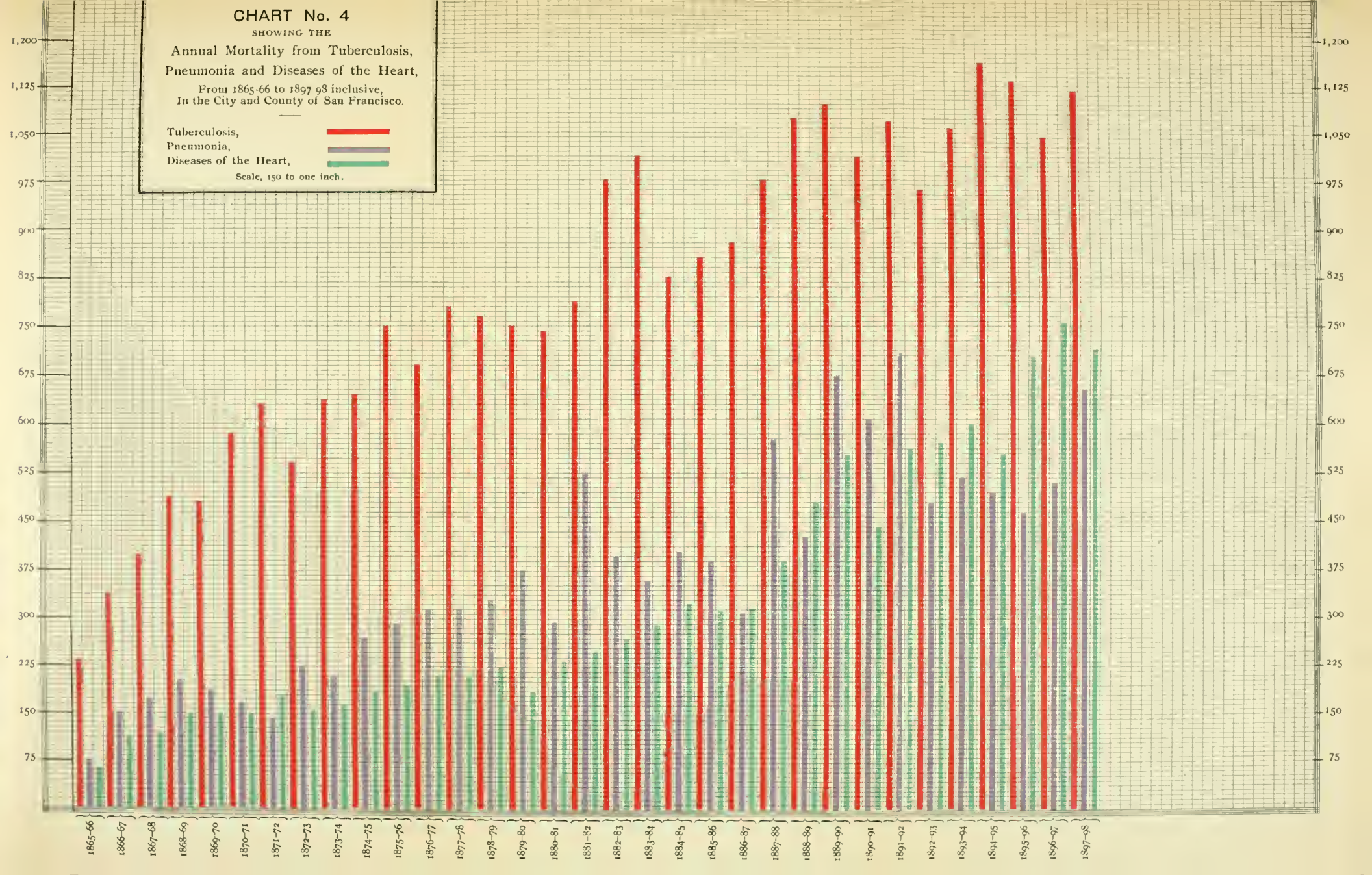


CHART No. 4
SHOWING THE
Annual Mortality from Tuberculosis,
Pneumonia and Diseases of the Heart,
From 1865-66 to 1897 98 inclusive,
In the City and County of San Francisco.
Tuberculosis,
Pneumonia,
Diseases of the Heart,
Scale, 150 to one inch.
1,200
1,125
1,050
975
900
825
750
675
600
525
450
375
300
225
150
75
1865-66
1866-67
1867-68
1868-69
1869-70
1870-71
1871-72
1872-73
1873-74
1874-75
1875-76
1876-77
1877-78
1878-79
1879-80
1880-81
1881-82
1882-83
1883-84
1884-85
1885-86
1886-87
1887-88
1888-89
1889-90
1890-91
1891-92
1892-93
1893-94
1894-95
1895-96
1896-97
1897-98

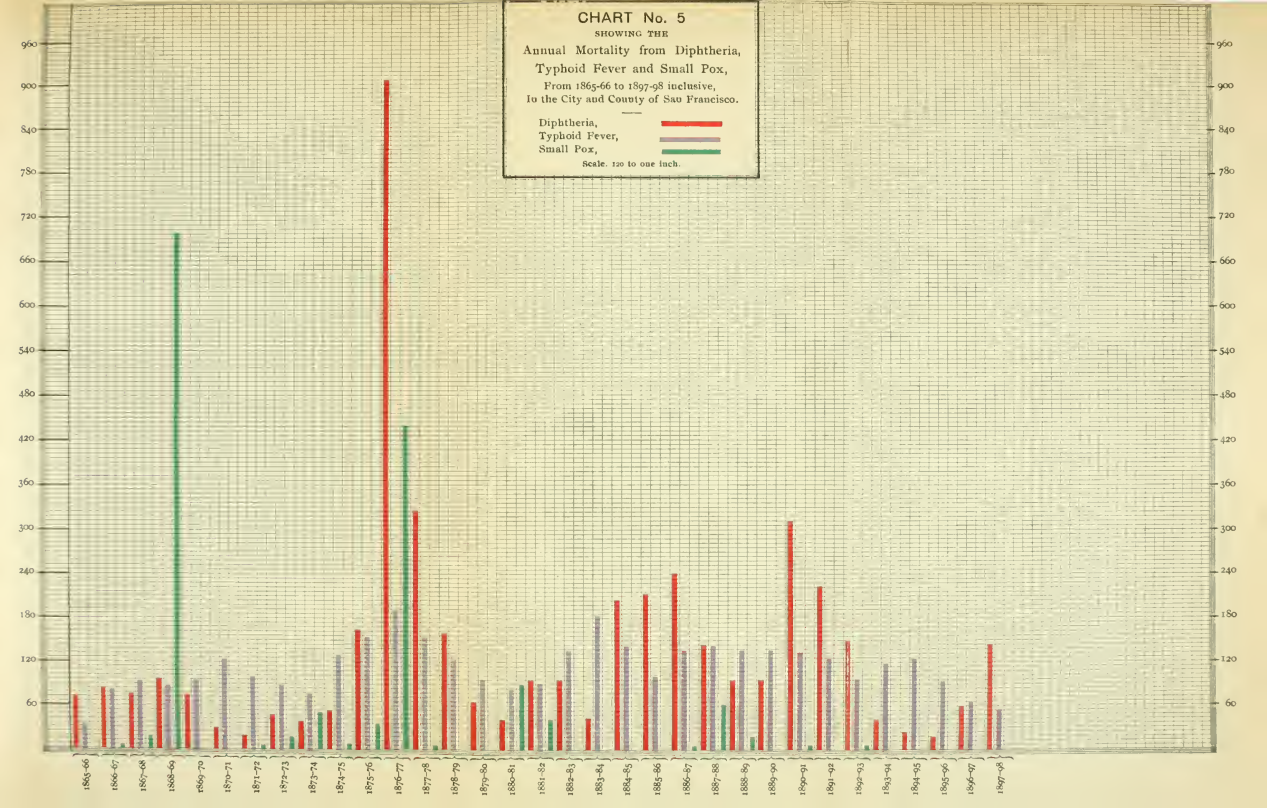


CHART No. 5
SHOWING THE
Annual Mortality from Diphtheria,
Typhoid Fever and Small Pox,
From 1865-66 to 1897-98 inclusive,
In the City and County of San Francisco.
Diphtheria,
Typhoid Fever,
Small Pox,
Scale. 120 to one inch.
960
900
840
780
720
660
600
540
480
420
360
300
240
180
120
60
1865-66
1866-67
1867-68
1868-69
1869-70
1870-71
1871-72
1872-73
1873-74
1874-75
1875-76
1876-77
1877-78
1878-79
1879-80
1880-81
1881-82
1882-83
1883-84
1884-85
1885-86
1886-87
1887-88
1888-89
1889-90
1890-91
1891-92
1892-93
1893-94
1894-95
1895-96
1896-97
1897-98

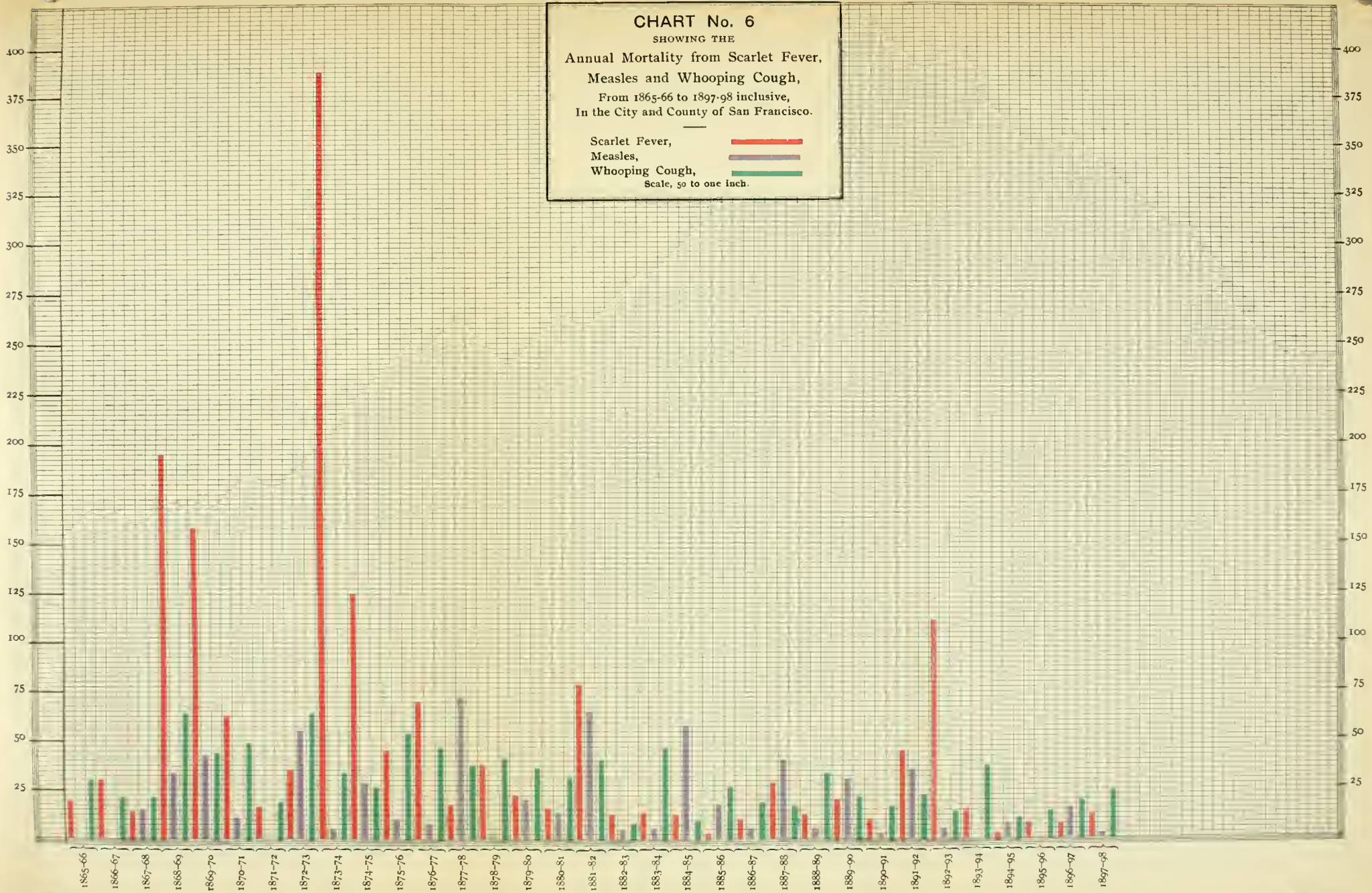


CHART No. 6
SHOWING THE
Annual Mortality from Scarlet Fever,
Measles and Whooping Cough,
From 1865-66 to 1897-98 inclusive,
In the City and County of San Francisco.
Scarlet Fever,
Measles,
Whooping Cough,
Scale, 50 to one inch.
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
1865-66
1866-67
1867-68
1868-69
1869-70
1870-71
1871-72
1872-73
1873-74
1874-75
1875-76
1876-77
1877-78
1878-79
1879-80
1880-81
1881-82
1882-83
1883-84
1884-85
1885-86
1886-87
1887-88
1888-89
1889-90
1890-91
1891-92
1892-93
1893-94
1894-95
1895-96
1896-97
1897-98

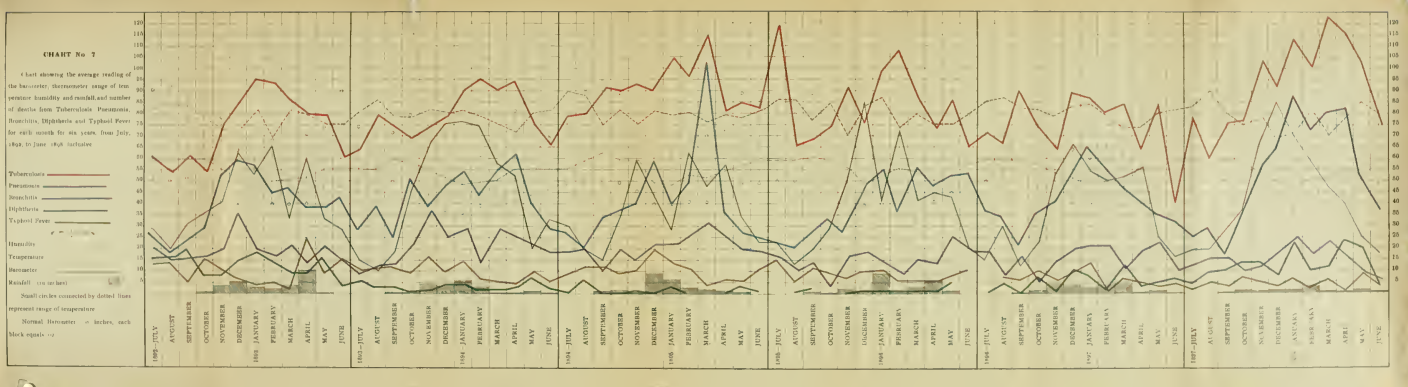


CHART No 7
Chart showing the average reading of the barometer, thermometer range of temperature humidity and rainfall, and number of deaths from Tuberculosis Pneumonia, Bronchitis, Diphtheria and Typhoid Fever for each month for six years, from July, 1892, to June 1898 inclusive
Tuberculosis
Pneumonia
Bronchitis
Diphtheria
Typhoid Fever
Humidity
Temperature
Barometer
Rainfall (in inches)
Small circles connected by dotted lines represent range of temperature
Normal Barometer — inches, each block equals 0.2
1892—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1893 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
1893—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1894 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
1894—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1895 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
1895—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1896 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
1896—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1897 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
1897—JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
1898 JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE

MAP

OF THE CITY AND COUNTY OF

SAN FRANCISCO

COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE

SAN FRANCISCO HEALTH DEPARTMENT.

BOARD OF HEALTH

FORT MASON
BLACK POINT
GOVERNMENT
RESERVATION
ST
ST
ST

ALMS HOUSE TRACT
BALBOA BOULEVARD
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
W. GREEN
INGLESIDE COURSING PARK
HOUSE OF REFUGE
LOT
INGLESIDE RACE TRACK
RANCHO LAGUNA
DE LA MERCED
LAKEVIEW
WEST END MAP No 1
CITY LAND ASS'N
RAIL ROAD HOMESTEAD
PALMETTO AVE
MISSION ST EXTENSION
WEST END HD
SYNDICATE ADD

BUTCHER'S RESERVATION
O'NEILL & HALEY TRACT
SOUTH SAN FRANCISCO
CENTRAL PARK
HOMESTEAD
SILVER
TERRACE
FAIRMOUNT
TRACT
BERNAL
HEIGHTS
HOLIDAY
MAP A
SOUTH SAN FRANCISCO HOMESTEAD
AND R R ASSOCIATION
HUDSON
TRACT
UNIVERSITY MOUND
BAY PARK
HOMESTEAD
RANCHO CAÑADA DE GUADALUPE RODEO VIEJO
Y VISITACION
SYNDICATE
1ST ADD

OF THE CITY AND COUNTY OF
SAN FRANCISCO
COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE
SAN FRANCISCO HEALTH DEPARTMENT.
GOLDEN GATE
LIFE SAVING STA.
PRESIDIO RESERVATION
MCDOWELL AVE
U.S. MARINE HOSPITAL
PUMPING STA
MOUNTAIN LAKE
PUBLIC SQUARE
LOBOS
CREEK
CITY
CEMETERY
MILITARY PURCHASE
CALIFORNIA
CLEMENT
POINT
LOBOS
AVE
FULTON
SUTRO
HEIGHTS
AQUARIUM
LAUREL HILL
CEMETERY
ODD FELLOWS
CEMETERY
CALVARY
CEMETERY
MASONIC
CEMETERY
ALTA
PLAZA
MUSEUM
MAIN
DRIVE
GOLDEN GATE PARK
STRAWBERRY HILL
SOUTH DRIVE
AFFILIATED
COLLEGES
SUTRO
LIBRARY
BUENA
VISTA
PARK
LEWIS
JEFFERSON
BEACH
NORTH
BAY
FRANCISCO
CHESTNUT
LOMBARD
GREENWICH
FILBERT
UNION
GREEN
VALLEJO
BROADWAY
PACIFIC
JACKSON
WASHINGTON
CLAY
SACRAMENTO
PINE
BUSH
SUTTER
POST
GEARY
O'FARRELL
ELLIS
EDDY
TURK
GOLDEN
MC ALLISTER
FULTON
GROVE
HAYES
FELL
OAK
PAGE
HAIGHT
WALLER
FREDERICK
CARL

No. 2

Showing location of fatal cases of Tuberculosis (all varieties) during the year ending June 30th, 1898.

EXPLANATION.

● **Deaths from Tuberculosis.**

(Figures "50" in Block No. 110, bounded by Stockton, Pacific, Dupont and Broadway Streets, represent the number of deaths in that square.)

SUNSET VISTA
OCEAN BOULEVARD
ALMS HOUSE TRACT
BALBOA BOULEVARD
PUBLIC SQUARE
OCEAN SIDE HOUSE
NORTHERN BOUNDARY OF RANCHO DE LA MERCED
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
Wm GREEN
LAGUNA
RANCHO LAGUNA
DE LA MERCED
INGLESIDE RACE TRACK
SAN MIGUEL RANCHO
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
INGLESIDE COURSING PARK
HOUSE OF REFUGE
LOT
LAKEVIEW
WEST END MAP No 1
CITY LAND ASSN
RAIL ROAD HOMESTEAD
MISSION ST EXTENSION HD
WEST END HD
SYNDICATE ADD
RANCHO

BUTCHER RESERVATION
CENTRAL PARK
HOMESTEAD
SOUTH SAN FRANCISCO
SOUTH SAN FRANCISCO HOMESTEAD
AND R R ASSOCIATION
UNIVERSITY MOUND
BAY PARK
HOMESTEAD
BERNAL
HEIGHTS
TRACT
Y VISITACION

OF THE CITY AND COUNTY OF
SAN FRANCISCO
COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE
SAN FRANCISCO HEALTH DEPARTMENT.
BOARD OF HEALTH
GOLDEN GATE
LIFE SAVING STA
PRESIDIO RESERVATION
PUMPING STA
U.S. MARINE HOSPITAL
MOUNTAIN LAKE
CITY CEMETERY
GOVERNMENT RESERVATION
MILITARY PURCHASE
LAUREL HILL CEMETERY
ODD FELLOWS CEMETERY
MASONIC CEMETERY
CALVARY CEMETERY
RICHMOND
GOLDEN GATE PARK
BUENA VISTA PARK
AFFILIATED COLLEGES
SUTRO LIBRARY
TWIN PEAKS
ALTA PLAZA
PAC

No. 3

Showing location of fatal cases of Acute Lung Diseases for the year ending June 30th, 1868.

• Pneumonia, Bronchitis and other acute Lung diseases.

ALMS HOUSE TRACT
BALBOA BOULEVARD
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
PUBLIC SQUARE
PUBLIC SQUARE
LAGUNA PUENCA
NORTHERN BOUNDARY OF RANCHO DE LA MERCED
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
WM GREEN
LIFE SAVING STATION
LAGUNA
RANCHO LAGUNA
DE LA MERCED
INGLESIDE RACE TRACK
INGLESIDE COURSING PARK
HOUSE OF REFUGE
LOT
LAKEVIEW
WEST END MAP No 1
CITY LAND ASSN
RAILROAD HOMESTEAD
MISSION ST EXTENSION
WEST END HD
SYNDICATE 1ST ADD

FAIRMOUNT
TRACT
BERNAL
BUTCHER'S RESERVATION
CENTRAL PARK
HOMESTEAD
SOUTH SAN FRANCISCO
SOUTH SAN FRANCISCO HOMESTEAD
AND R R ASSOCIATION
UNIVERSITY
BAY PARK
HOMESTEAD
RANCHO CANADA DE GUADALUPE RODEO-VIEJO
Y VISITACIÓN

MAP

OF THE CITY AND COUNTY OF

SAN FRANCISCO

COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE

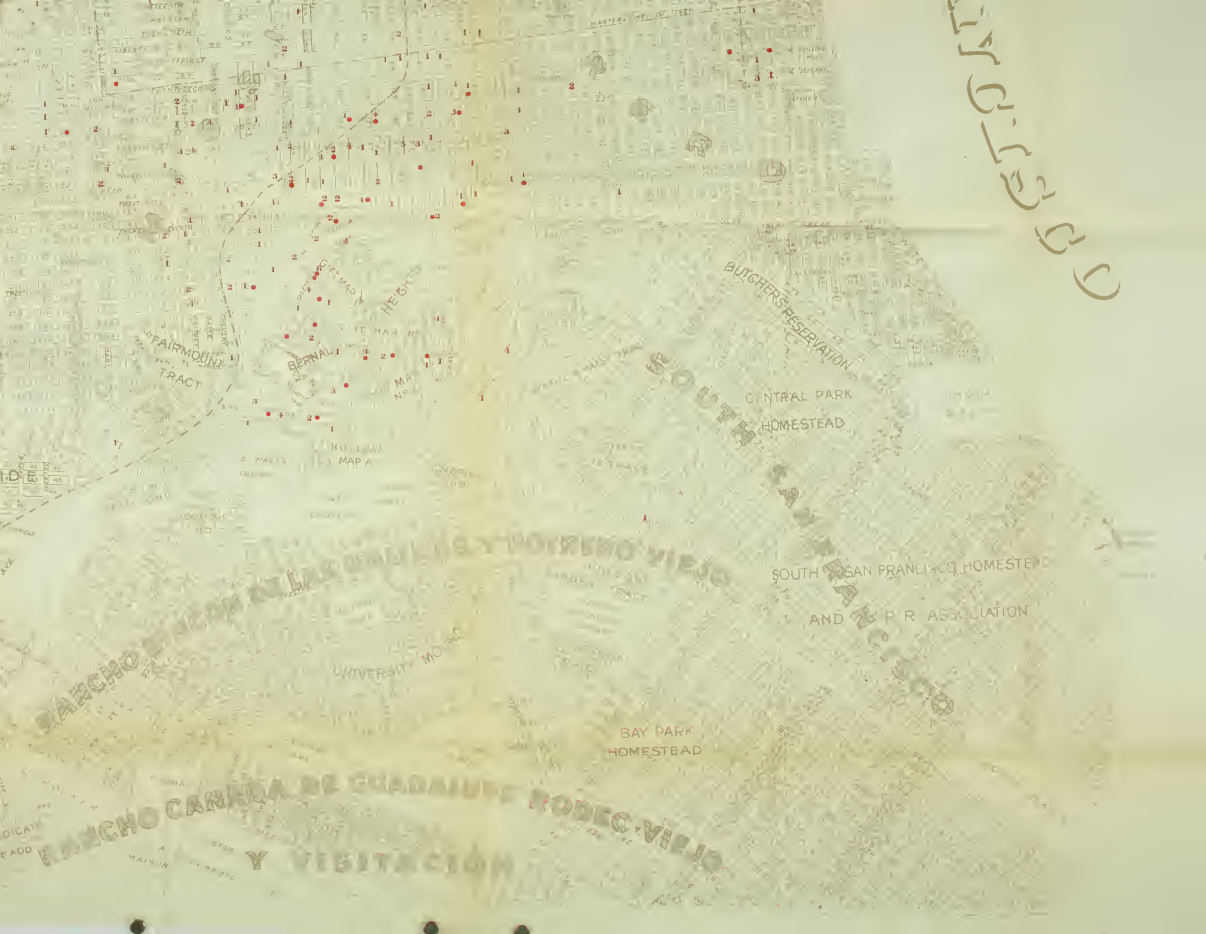
SAN FRANCISCO HEALTH DEPARTMENT.

No. 4

Showing location of fatal cases of Diphtheria; also number of cases thereof reported to the Health Department during the year ending June 30th, 1898.

● Deaths from Diphtheria. Cases of Diphtheria in figures in red.

SUNSET DISTRICT
ALMS HOUSE TRACT
BALBOA BOULEVARD
SAN MIGUEL RANCHO
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
PUBLIC SQUARE
OCEAN SIDE HOUSE
NORTHERN BOUNDARY OF RANCHO DE LA MERCED
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
Wm GREEN
LIFE SAVING STATION
LAGUNA
RANCHO LAGUNA
DE LA MERCED
INGLESIDE RACE TRACK
INGLESIDE COURSING PARK
HOUSE OF REFUGE LOT
LAKEVIEW
CITY LAND ASS
RAIL ROAD HOMESTEAD
MISSION ST. EXTENSION HD
WEST END MAP No 1
WEST END HD
SYNDICATE 1st ADD
RANCHO
C CROCKER


BUTCHER'S RESERVATION
CENTRAL PARK
HOMESTEAD
SOUTH SAN FRANCISCO HOMESTEAD
AND R. R. ASSOCIATION
FAIRMOUNT
TRACT
BERNAL
HEIGHTS
UNIVERSITY MOUND
BAY PARK
HOMESTEAD
RANCHO CANADA DE GUADALUPE TODEC VIEJO
Y VISITACION

MAP
OF THE CITY AND COUNTY OF
SAN FRANCISCO
COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE
SAN FRANCISCO HEALTH DEPARTMENT.
BOARD OF HEALTH
PRESIDIO RESERVATION
GOLDEN GATE PARK
CITY CEMETERY
GOVERNMENT RESERVATION
MILITARY PURCHASE
LAUREL HILL CEMETERY
CALVARY CEMETERY
ODD FELLOWS CEMETERY
MASONIC CEMETERY
AFFILIATED COLLEGES
SUTRO LIBRARY
LIFE SAVING STA
U.S. MARINE HOSPITAL
PUMPING STA
MOUNTAIN LAKE
PUBLIC SQUARE
LOBOS SQUARE
ALTA PLAZA
ALAMO SQUARE
BUENA VISTA PARK
BUNKER HILL
GOLDEN GATE
CALIFORNIA
CLEMENT
FULTON
LAKE
MAIN DRIVE
MUSEUM
RECREATION GROUNDS
OCEAN
POND
PAC

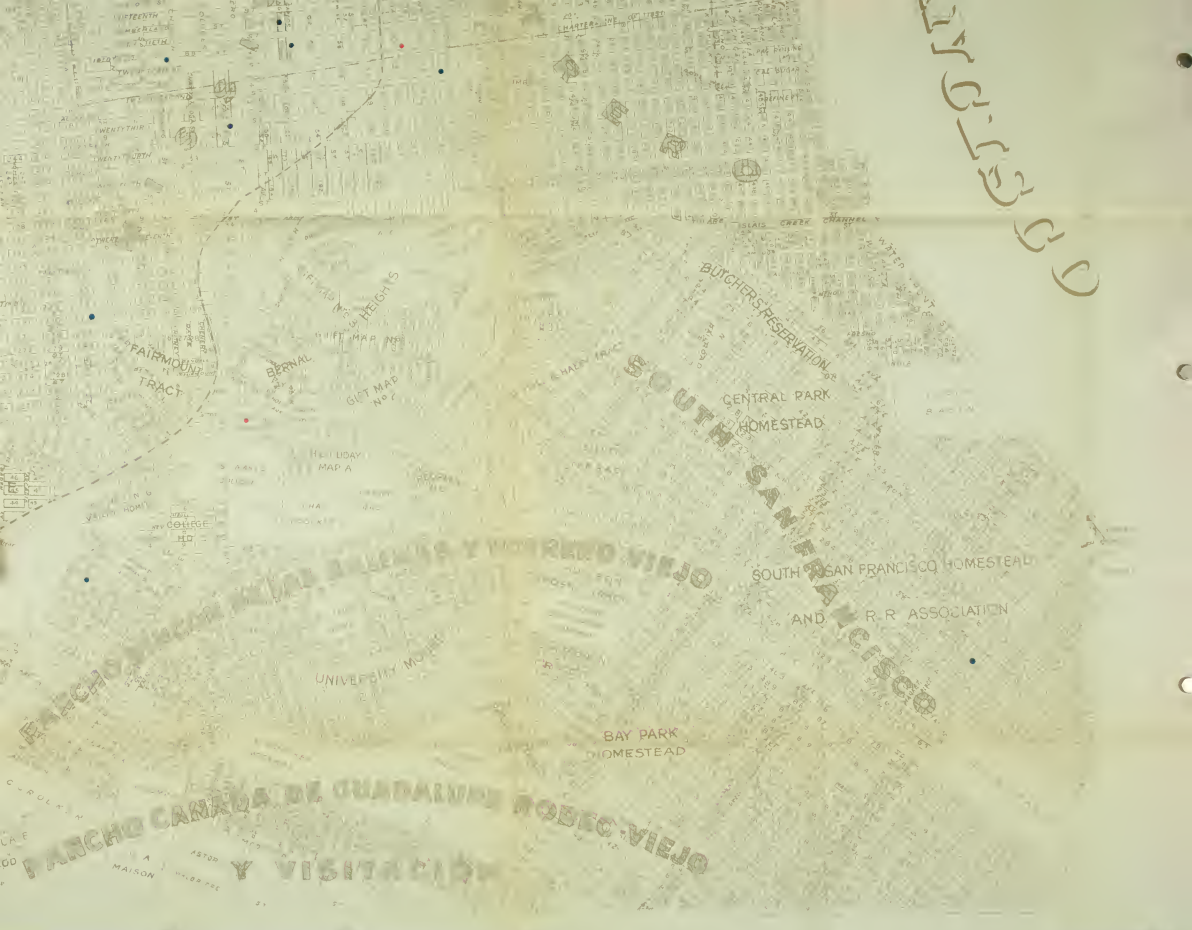
No. 5

Showing location of fatal cases of Typhoid fever and Scarlet fever for the year ending June 30th, 1898.

EXPLANATION.

• Deaths from Typhoid Fever.
• Deaths from Scarlet Fever.

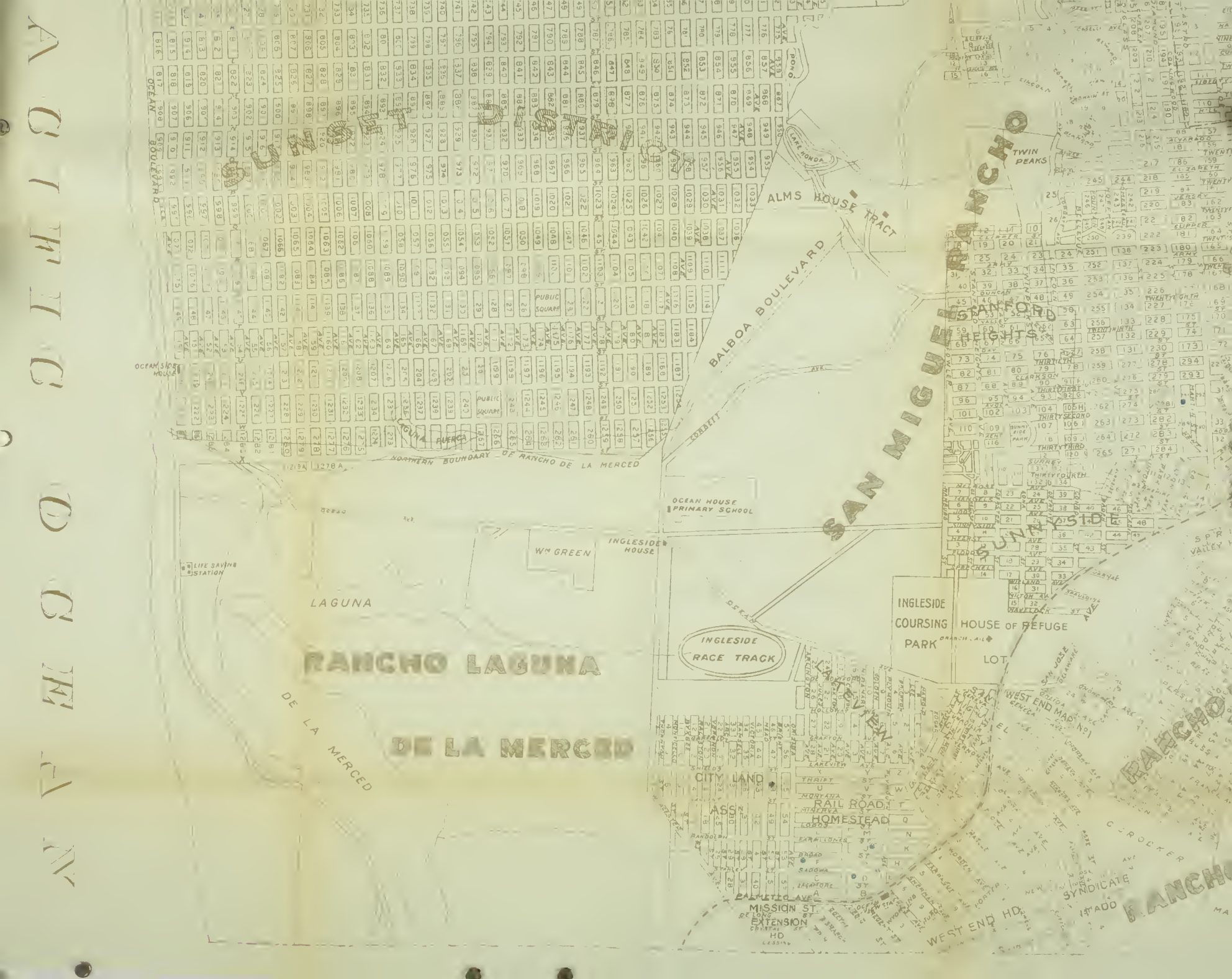
SUNSET DISTRICT
ALMS HOUSE TRACT
BALBOA BOULEVARD
SAN MIGUEL RANCHO
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
INGLESIDE COURSING PARK
HOUSE OF REFUGE
LOT
INGLESIDE RACE TRACK
LAGUNA
RANCHO LAGUNA
DE LA MERCED
LAKEVIEW
WEST END MAP
CITY LAND ASS'N
RAIL ROAD HOMESTEAD
PALMETTO AVE
MISSION ST EXTENSION
WEST END HD
SYCAMORE
ADD
RANCHO
PACIFIC OCEAN



FAIRMOUNT TRACT
BERNAL
HEIGHTS
GIFT MAP No 2
HOLLIDAY MAP A
COLLEGE HD
BUTCHERS RESERVATION
CENTRAL PARK HOMESTEAD
SOUTH SAN FRANCISCO
SOUTH SAN FRANCISCO HOMESTEAD AND R.R. ASSOCIATION
UNIVERSITY MOUND
BAY PARK HOMESTEAD
PANCHO CANADA DE GUADALUPE RODEO VIEJO Y VISITACION

OF THE CITY AND COUNTY OF
SAN FRANCISCO
COMPILED FROM OFFICIAL SURVEYS
AND ENGRAVED EXPRESSLY FOR THE
SAN FRANCISCO HEALTH DEPARTMENT.
GOLDEN GATE
PRESIDIO RESERVATION
LIFE SAVING STA
U.S. MARINE HOSPITAL
PUMPING STA
MOUNTAIN LAKE
PUBLIC SQUARE
CITY CEMETERY
GOVERNMENT RESERVATION
MILITARY PURCHASE
LAUREL HILL CEMETERY
CALVARY CEMETERY
ODD FELLOWS CEMETERY
MASONIC CEMETERY
LOBOS SQUARE
ALTA PLAZA
ALAMO SQUARE
BUENA VISTA PARK
GOLDEN GATE PARK
RICHMOND
AFFILIATED COLLEGES
SUTRO LIBRARY
POINT LOBOS
SUTRO HEIGHTS
U.S. LIFE SAVING STATION
CYCLIST'S PAVILION
MUSEUM
RECREATION GROUNDS
OCEAN
POND
LAKE
CALIFORNIA
CLEMENT
FULTON
GEARY
POST
SUTTER
BUSH
PINE
CLAY
WASHINGTON
JACKSON
PACIFIC
BROADWAY
VALLEJO
GREEN
UNION
FILBERT
GREENWICH
LOMBARD
CHESTNUT
FRANCISCO
BAY
NORTH POINT
BEACH
JEFFERSON
TONQUIN
LEWIS
MCDOWELL AVE
LOBOS CREEK
LAKES BEACH
R.R. DEPOT

No. 6
Showing location of fatal cases of Diarrheal Diseases for the year ending June 30th, 1898.
• Deaths from Diarrheal Diseases.
FORT MASON (BLOCK PRINT) GOVERNMENT RESERVATION
LOBOS SQUARE
ALTA PLAZA
LAFAYETTE PARK
JEFFERSON SQUARE
ALAMO SQUARE
MISSION ROCK
BUENA VISTA PARK
FOURTEENTH
FIFTEENTH
SIXTEENTH
SEVENTEENTH
EIGHTEENTH
NINETEENTH
TWENTIETH
TWENTY-FIRST
TWENTY-SECOND
CENTRAL BASIN


SUNSET DISTRICT
ALMS HOUSE TRACT
BALBOA BOULEVARD
SAN MIGUEL RANCHO
TWIN PEAKS
STANFORD HEIGHTS
SUNNYSIDE
OCEAN BOULEVARD
OCEAN SIDE HOUSE
PUBLIC SQUARE
LAGUNA PUERCA
NORTHERN BOUNDARY OF RANCHO DE LA MERCED
OCEAN HOUSE PRIMARY SCHOOL
INGLESIDE HOUSE
Wm GREEN
LIFE SAVING STATION
LAGUNA
RANCHO LAGUNA
DE LA MERCED
INGLESIDE RACE TRACK
INGLESIDE COURSING PARK
HOUSE OF REFUGE LOT
WEST END MAP No 1
CITY LAND ASSN
RAIL ROAD HOMESTEAD
MISSION ST. EXTENSION HD
WEST END HD
SYNDICATE
RANCHO

SOUTH SAN FRANCISCO
RANCHO RINCON DE LAS SALINAS Y POTRERO VIEJO
RANCHO CANADA DE GUADALUPE RODEO VIEJO
Y VISITACION
BUTCHERS RESERVATION
CENTRAL PARK HOMESTEAD
SOUTH SAN FRANCISCO HOMESTEAD AND R R ASSOCIATION
BAY PARK HOMESTEAD
UNIVERSITY MOUND
HUDSON GARDEN TRACT
SILVER TERRACE
O'NEILL & HALEY TRACT
PEOPLES HD
COLLEGE HD
FAIRMOUNT TRACT
BERNAL
GIFT MAP No 2
GIFT MAP No 3
HEIGHTS
MAP A
SPRING VALLEY HOMES
PAUL TRACT
MAISON

CAL DOCS

FOR REFERENCE

NOT TO BE TAKEN FROM THE ROOM

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